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OWNER'S MANUAL

MAGNAVOX
SMART. VERY SMART.

MVR430MG/MVR630MG VCR

STOP!

READ THIS MANUAL FIRST!

CONGRATULATIONS ON PURCHASING THIS PRODUCT. WE'VE INCLUDED EVERYTHING YOU NEED TO GET STARTED. IF YOU HAVE ANY PROBLEMS, OUR REPRESENTATIVES CAN HELP YOU GET THE MOST FROM YOUR NEW PRODUCT BY EXPLAINING:

• HOOKUPS • FIRST TIME SETUP • FEATURE OPERATION

DO NOT ATTEMPT TO RETURN THIS PRODUCT TO THE STORE.

FOR FAST HELP, CALL US FIRST!

1-800-705-2000

THANK YOU FOR MAKING US A PART OF YOUR HOME!

IMPORTANT!

RETURN YOUR WARRANTY REGISTRATION CARD WITHIN 10 DAYS. SEE WHY INSIDE.

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Return your Warranty Registration card today to ensure you receive all the benefits you're entitled to.

Once your MAGNAVOX purchase is registered, you're eligible to receive all the privileges of owning a MAGNAVOX product. So complete and return the Warranty Registration Card enclosed with your purchase at once. And take advantage of these important benefits.

Warranty Verification

Registering your product within 10 days confirms your right to maximum protection under the terms and conditions of your MAGNAVOX warranty.

Owner Confirmation

Your completed Warranty Registration Card serves as verification of ownership in the event of product theft or loss.

Model Registration

Returning your Warranty Registration Card right away guarantees you'll receive all the information and special offers which you qualify for as the owner of your model.

Congratulations on your purchase, and welcome to the "family!"

Dear MAGNAVOX product owner:

Thank you for your confidence in MAGNAVOX. You've selected one of the best-built, best-backed products available today. And we'll do everything in our power to keep you happy with your purchase for many years to come.

As a member of the MAGNAVOX "family," you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry.

What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.

And most importantly you can count on our uncompromising commitment to your total satisfaction.

All of this is our way of saying welcome-and thanks for investing in a MAGNAVOX product.

P.S. Remember, to get the most from your MAGNAVOX product, you must return your Warranty Registration Card within 10 days. So please mail it to us right now!

Know these **safety** *symbols*

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This "bolt of lightning" indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION: To prevent electric shock, match wide blade of plug to wide slot, fully insert.

ATTENTION: Pour éviter les choc électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

For Customer Use

Enter below the Serial No. which is located on the rear of the cabinet. Retain this information for future reference.

Model No. _____

Serial No. _____

Visit our World Wide Web Site at http://www.magnavox.com

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Setting Up Your VCR

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4 Introduction

Welcome to your VCR owner's manual.

This manual describes the MVR430MG and the MVR630MG. The MVR430MG is a monaural (single-channel sound source) system, while the MVR630MG is a stereo (right and left-channel sound source) system. Otherwise, the two models are exactly the same.

In this manual, the MVR630MG is illustrated. (The MVR430MG has single AUDIO IN/OUT jacks. Otherwise, the MVR430MG looks exactly like the MVR630MG.)

Features

- Automatic Channel Setup
- Automatic Head Cleaner
- Automatic Operation Features
- Automatic Tracking Adjustment
- Blue Background
- Daylight-Savings Time
- Display Panel
- Front Panel Menu Operation
- Hi-Fi Stereo Sound System (MVR630MG only)
- High Quality (HQ) System
- MTS (Multi-Channel Television Sound) System (MVR630MG only)
- 19 Micron Head
- On-Screen Displays in English or Spanish
- One-Touch Recording
- Real-Time Counter
- Repeat Play
- Special Effects Playback: Forward and Reverse Searching; Still; Slow Motion
- Time Search
- Timer Recording

Safety Precautions

Warning: To prevent fire or shock hazard, do not expose this equipment to rain or moisture.
Federal Communications Commission Warning: Any unauthorized changes or modifications to this equipment void the user's authority to operate it.

This VCR has a High Quality (HQ) system and is compatible with existing Video Home System (VHS) equipment.
Use only video cassette tapes that have the VHS mark. The use of other tapes may result in poor picture quality and excessive deposits on the video heads, which may not be covered by the warranty if damage occurs.
The 19 micron head provides a better picture when you view tapes recorded in slow speed (SLP).

Note to the Cable TV System Installer: This reminder is provided to call the Cable TV system installer's attention to Article 820-40 of the National Electrical Code, which provides guidelines for proper grounding – in particular, specifying that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as possible.

Declaration of Conformity

Model Number:	MVR430MG/MVR630MG
Trade Name:	Magnavox
Responsible Party:	Philips Consumer Electronics P.O. Box 14810 Knoxville, TN 37914-1810 (865) 521-4316

As an ENERGY STAR® Partner, Magnavox has determined that this product meets the ENERGY STAR® guidelines for energy efficiency. ENERGY STAR® is a U.S. registered mark. Using products with the ENERGY STAR® label can save energy. Saving energy reduces air pollution and lowers utility bills.

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Helpful Hint

- *Your new product, its packaging, and this manual contain materials that can be recycled and reused. Specialized companies can recycle your product to increase the amount of reusable materials and to minimize the amount that needs to be properly disposed.*
  Your product uses batteries that should not be thrown away when depleted but should be disposed of as small chemical waste.
  Please find out about the local regulations on disposal of your old product, batteries, manual, and packaging whenever you replace existing equipment.

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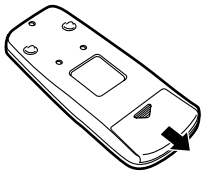
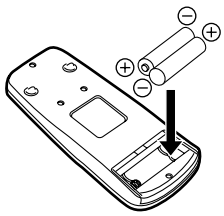
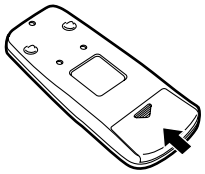
Putting Batteries in the Remote Control



1 **Remove the battery compartment lid** on the bottom of the remote control by sliding it in the direction of the arrow.



2 **Place two AA batteries inside the battery compartment** with their + and – ends aligned as indicated.



3 **Replace the battery compartment lid.**

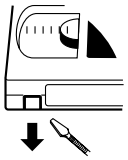
Battery Safety

Battery Usage CAUTION - To prevent battery leakage that may result in bodily injury or damage to the unit:

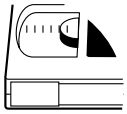
- Install ALL batteries correctly, with the + and - markings on the battery aligned as indicated on the unit;
- Do not mix batteries, for example, old with new or carbon with alkaline; and
- Remove batteries when the unit will not be used for a long time.

Recording Prevention

Video cassette tapes have record tabs to ensure you do not accidentally erase recordings.



1 **To prevent recording, break off the tab with a screwdriver.**



2 **To allow recording, cover the hole with cellophane tape.**

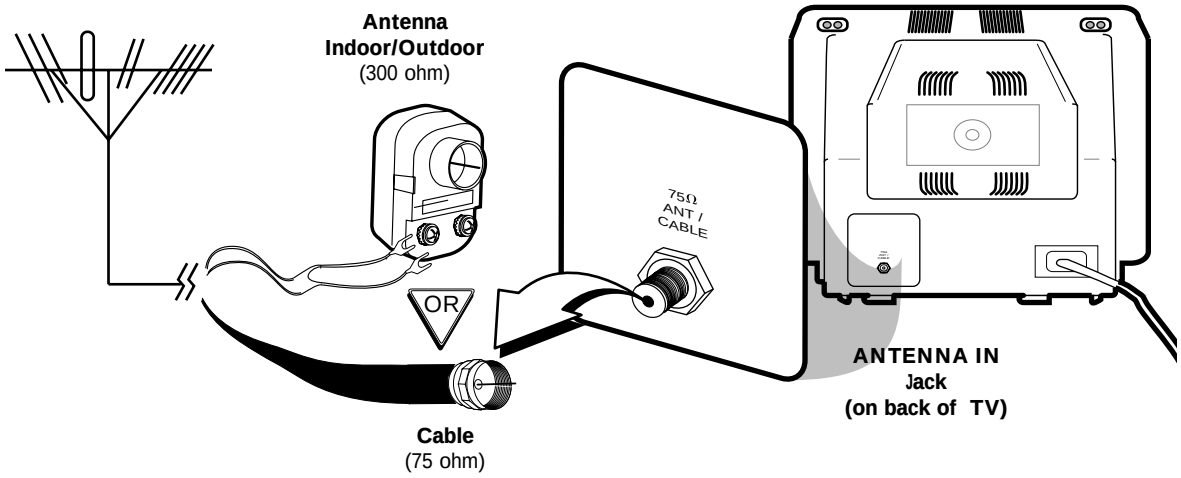
VCR maintenance

- Use only tapes with the VHS mark.
- Remove any light adhesive stick-on notes from the video cassette tape before putting the tape in the VCR. Removable labels can jam the VCR.
- The VCR requires periodic maintenance to maintain its excellent performance. This VCR has an Automatic Head Cleaner. However, you may have to replace the video heads eventually. Only an authorized service center should perform this service.

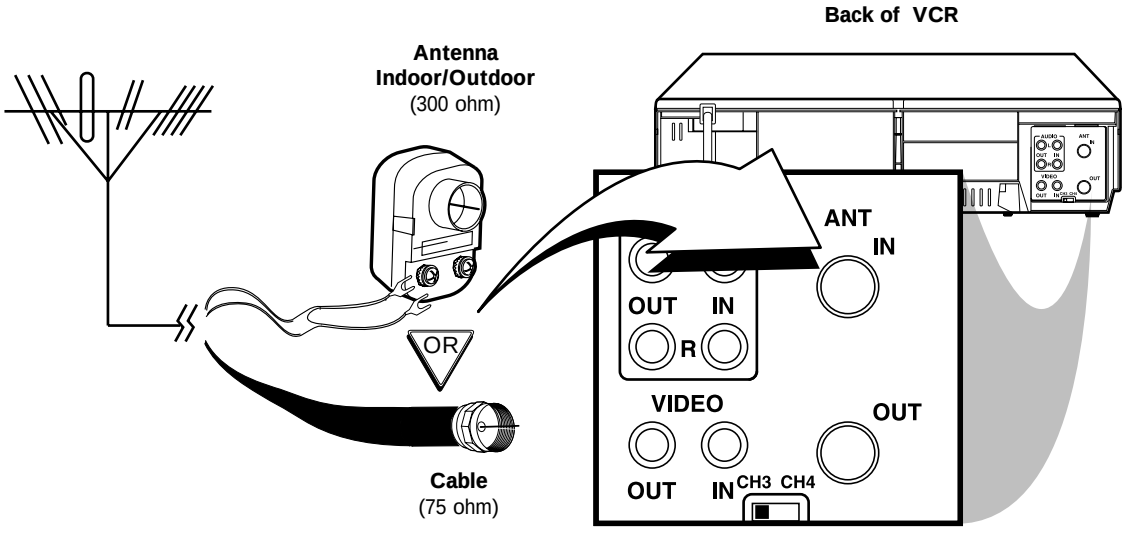
6 Hookups Without a Cable Box/Direct Broadcast System

The basic VCR/TV connection – antenna/cable to VCR to TV – is shown below. If you have a Cable Box or a Direct Broadcast System, please see pages eight-nine. If you have a Stereo TV, please see page 10. After you hook up the VCR, go to page 11 to turn on the VCR. (The MVR630MG is illustrated here. The MVR430MG has single AUDIO IN/OUT jacks.)

1 Disconnect the antenna or cable from your TV.



2 Connect the antenna or cable to the ANT(enna) IN Jack of your VCR.



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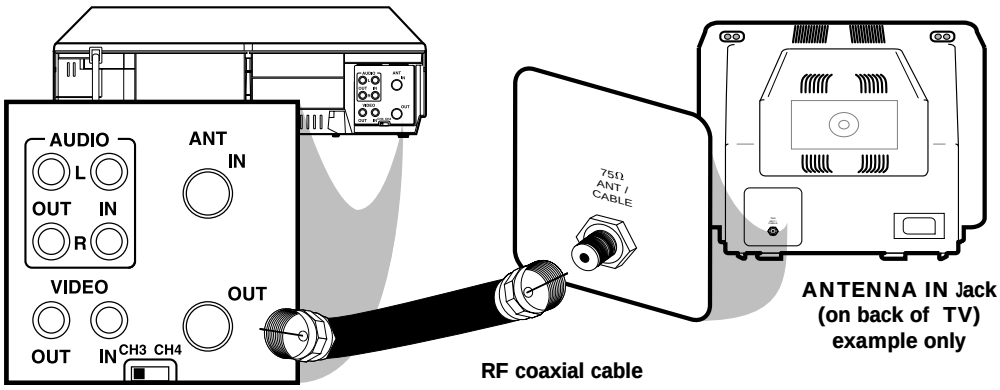
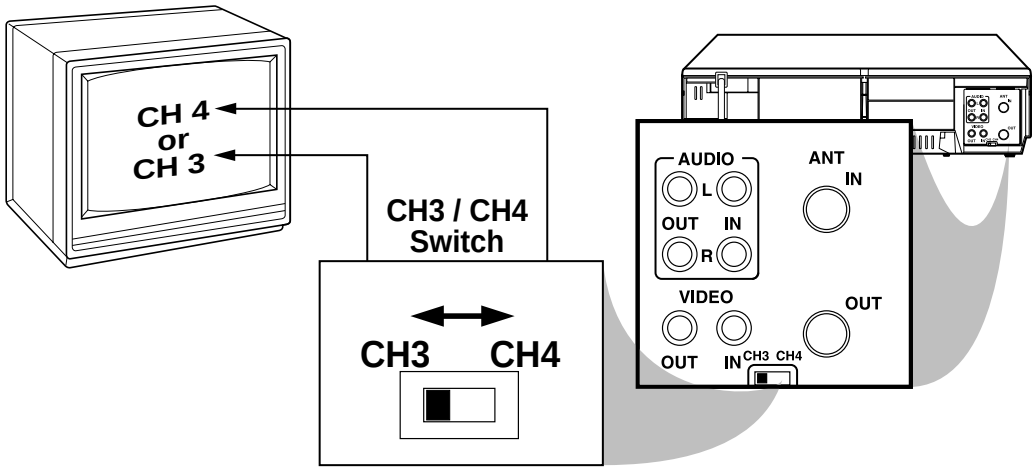
3 **Connect the supplied black RF coaxial cable to the OUT Jack on the back of the VCR and to the ANTENNA IN Jack on the TV.** (You may use either a snap-on type (supplied) or screw-on type of coaxial cable, whichever you prefer.) The ANTENNA IN jack on your TV may be labelled 75 ohm or RF In instead. Check your TV owner's manual for details.



4 **Plug in the power cords of the TV and the VCR.**

5 **Set the CH3/CH4 switch on the back of the VCR to CH3 or CH4**, whichever channel is not used or least used in your area. **Set the TV to the same channel.** For example, when playing a tape, if the CH3/CH4 switch is set to CH3, the TV should be on channel 03.

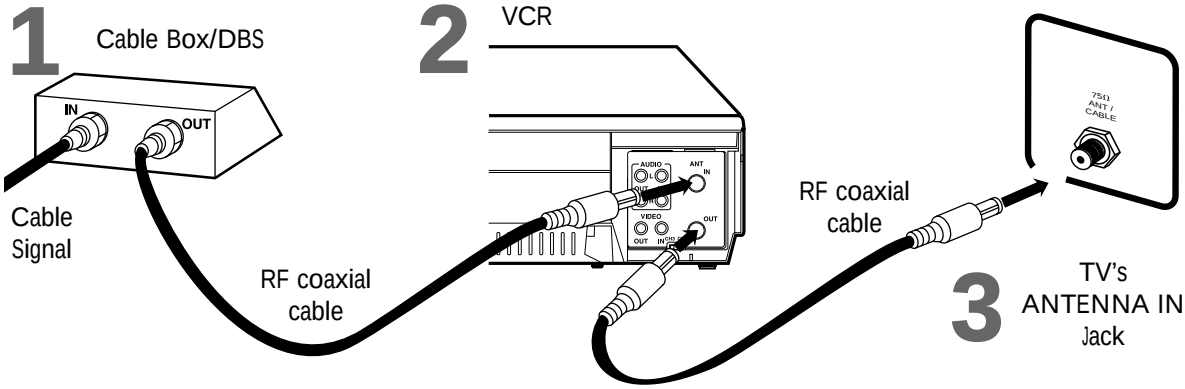


6 **You are ready to turn on the VCR. Please go to page 11 before turning on the VCR.**

8 Hookups With a Cable Box/Direct Broadcast System

There are two ways to connect your Cable Box/DBS to the VCR. With this connection:

- You may view any channel.
- You must select channels at the Cable Box/DBS. Channels cannot be changed at the VCR.
- You may not view a channel other than the one you are recording.
- You may not program channels at the VCR.
- You can only program a timer recording for one channel at a time. Set the TV and the VCR to the Cable Box/DBS output channel (channel 03 or 04); set the CH3/CH4 switch on the back of the VCR to the same channel. Set your Cable Box/DBS to the channel you want to record. When you enter the channel you want to record in a timer recording, select channel 03 or 04 (the Cable Box/DBS output channel). (This is step 5 on page 29.) Leave the Cable Box/DBS on for a timer recording.



Connections

1 Connect a Cable signal to the IN Jack on the Cable Box/DBS.

2 Use the supplied black RF coaxial cable to connect the OUT Jack on the Cable Box/DBS to the ANT(enna) IN Jack on the VCR.

3 Use a second RF coaxial cable (not supplied) to connect the OUT Jack on the VCR to the TV's ANTENNA IN Jack.

Recording/Viewing Any Channel

1 With the VCR on and in VCR position (the VCR/TV light will appear on the display panel), **use the CH(annel) ▲/▼ button to set the VCR to the Cable Box/DBS output channel (channel 03 or 04). Set the CH3/CH4 switch on the back of the VCR to the same channel.**

2 **Set the TV to the same channel to which you set the VCR.**

3 **Select the channel you want to view/record at the Cable Box/DBS.**

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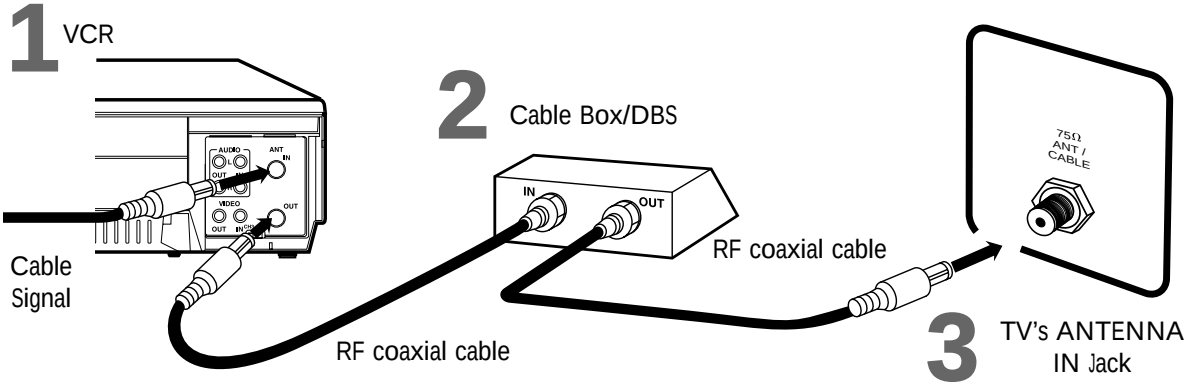
With this connection:

- You may watch one channel while recording another.
- You may not record scrambled channels.



Connections

1 Connect a Cable signal to the VCR's ANT(enna) IN Jack.

2 Use the supplied black RF coaxial cable to connect the OUT Jack on the VCR to the IN Jack on the Cable Box/DBS.

3 Use a second RF coaxial cable (not supplied) to connect the OUT Jack on the Cable Box/DBS to the ANTENNA IN Jack on the TV.

Recording One Channel/Watching Another

1 **Put the Cable Box/DBS on the same channel as the VCR's CH3/CH4 switch. Set the TV to the Cable Box/DBS output channel (03 or 04).**
Then, with the VCR in VCR position (the VCR/TV light will appear on the display panel), **use the CH(annel) ▲/▼ button to select the channel you want to record at the VCR. Start the recording.**

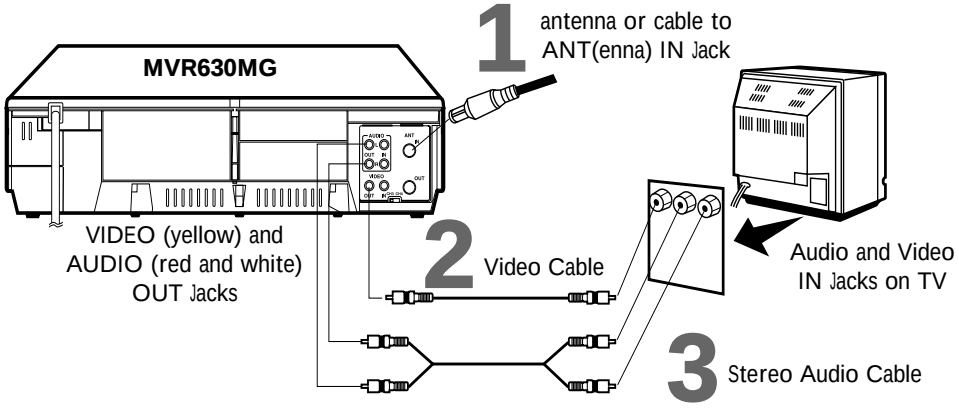
2 **Press the VCR/TV button once to put the VCR in TV position.** (The VCR/TV light will disappear.)

3 **Select the channel you want to watch at the Cable Box/DBS.**

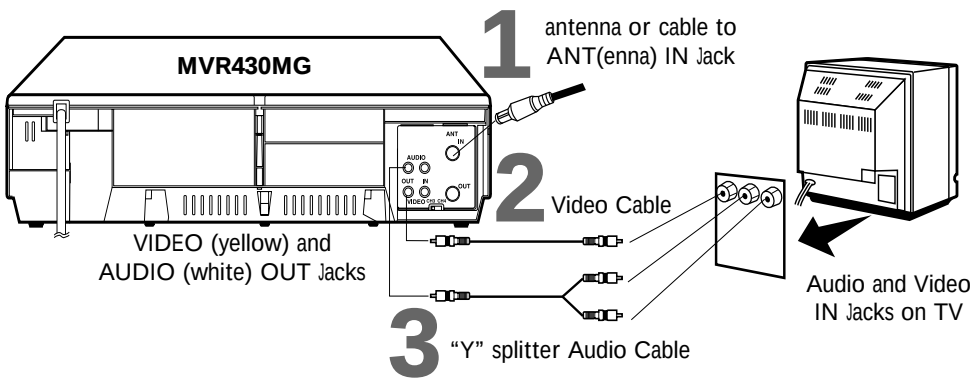
Helpful Hint

- *When you play a tape, make sure the Cable Box/DBS is set to the same channel as the CH3/CH4 switch on the VCR. Set the TV to the Cable Box/DBS output channel (03 or 04).*

10 Hookups with a Stereo TV



- Audio and Video cables are not supplied.



1 **Connect the antenna or cable to the ANT(enna) IN Jack on the back of the VCR.**

2 **Connect a video cable to the yellow VIDEO OUT Jack on the back of the VCR, then connect the other end of the video cable to the VIDEO IN Jack on your TV.**

3 **MVR630MG**
Connect a stereo audio cable to the red and white AUDIO OUT Jacks on the back of the VCR, matching cable colors to the jack colors. Then, connect the other end of the audio cable to the AUDIO IN Jacks on your TV, again matching cable colors to the jack colors.
If your TV's AUDIO IN jacks or your stereo audio cable ends are not color coded, connect the red (right) AUDIO OUT jack of the VCR to the right AUDIO IN jack on the TV. Connect the white (left) AUDIO OUT jack of the VCR to the left AUDIO IN jack on the TV. The AUDIO IN jacks on your TV should be marked left and right. If they are not, consult your TV owner's manual.
MVR430MG
Connect an audio cable to the white AUDIO OUT jack on the back of the VCR. Then, connect the other end of the audio cable to the AUDIO IN jack on your TV.
If your TV has Right and Left AUDIO IN jacks, you must use a "Y" splitter audio cable as illustrated to deliver audio to the TV's right and left channels.

4 **Turn on your TV,** making sure it is in Line Input mode. This might be referred to as the TV's A/V IN or Audio/Video In channel, External or EXT channel, or AUX or Auxiliary In channel. Please refer to your TV owner's manual for details.

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Before turning on your VCR, make sure batteries are in the remote control and you have connected the VCR and TV correctly. *Details are on pages 5-10.*

- You can not program channels if you are using a Cable Box or a Direct Broadcast System.

1 **Press the POWER button.** The VCR/TV light and the POWER light will appear on the VCR display panel.

2 **Turn on the TV. Set it to the same channel as the CH3/CH4 switch on the back of the VCR.** The display shown below will appear on the TV screen. (If the display does not appear, check your hookups, then follow the steps on page 12 to set up channels and page 17 to select a language.)

```
SELECT ▲▼

→ ENGLISH          ON
  ESPAÑOL

MAKE SELECTION OR
PUSH MENU TO CONTINUE
```

3 **Within 60 seconds, press the PLAY/▲ button or the STOP/▼ button to select English or Spanish on-screen displays and menus.**

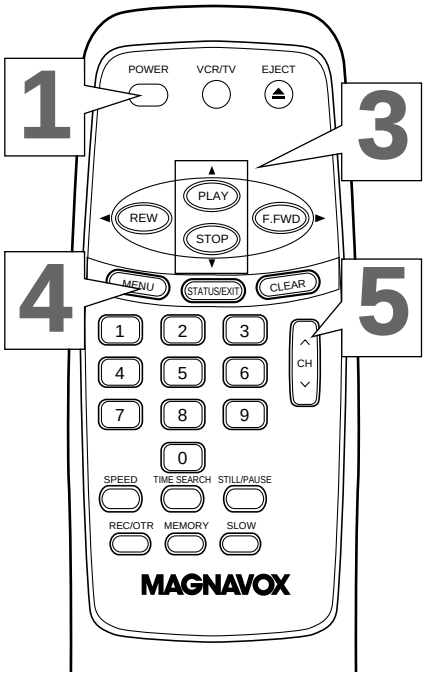
4 **Press the MENU button.** The display shown below will appear.

```
CONNECT ANTENNA OR CABLE
TO VCR

    THEN . . .
PUSH CH UP KEY

  OR . . .
FOR PLAY ONLY – PUSH STOP
```

5 **Within 60 seconds, press the CH(annel) ▲ button to begin automatic channel programming.** AUTO CH PROGRAMMING IN PROCESS PLEASE WAIT will appear on the TV screen. The VCR will memorize all available channels. When all channels are memorized, CHANNELS ARE SET will appear on the TV screen briefly, then TV programming will appear.

Now, when you press the CH(annel) ▲/▼ button, you'll only scan through channels that you receive. You can still select other channel numbers using the Number buttons.

2 Turn on the TV.

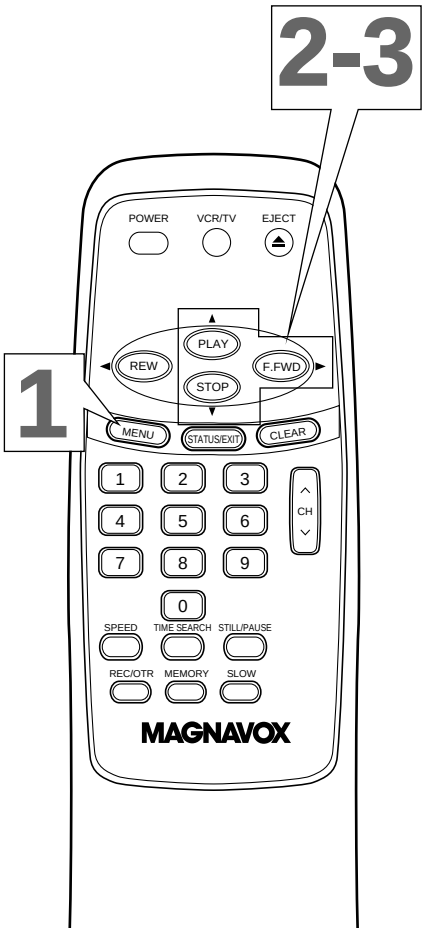


Helpful Hints

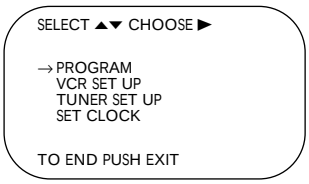
- *To skip this feature and play a tape immediately, insert a tape with its record tab removed. Or, to skip step 3, press the MENU button. All on-screen displays will be in English. To skip step 5, press the STOP/▼ button. Channels will not be programmed, and CHANNELS NOT SET will appear on the screen.*
- *If you try to program channels when there is no antenna or cable connected to the VCR, programming will appear to take place, but eventually a NO TV SIGNALS message will appear. Connect an antenna or cable to the VCR's ANT(enna) IN Jack and press the CH(annel) ▲ button again. You may need to follow the steps on page 12.*
- *You may need to repeat the steps on this page if a power failure occurs.*
- *If you used the AUDIO and VIDEO OUT jacks to connect the VCR to the TV, see page 10. You need to choose a channel other than 3 or 4 at the TV to see the VCR image on your TV.*

12 Automatic Channel Setup

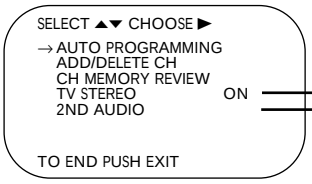
Although your VCR may automatically memorize the channels you receive when you turn it on for the first time, this function lets you set up the channels again.



1 **Press the MENU button**.

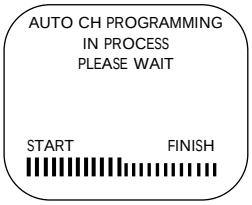


2 **Press the PLAY/▲ button or the STOP/▼ button to select TUNER SET UP, then press the F.FWD/► button.**



MVR630MG only

3 **Press the PLAY/▲ button or the STOP/▼ button to select AUTO PROGRAMMING, then press the F.FWD/► button.** The VCR distinguishes between TV channels and cable channels, and the VCR will memorize all the channels you receive.



4 **Wait for a few minutes while the VCR sets up the channels.** When this is complete, CHANNELS ARE SET will appear on the screen. Then the programming of the lowest channel number placed in the VCR's memory will appear on the screen. Now when you press the CH(annel) ▲/▼ button, you will scan only through channels you receive. You may still select non-memorized channels by pressing the Number buttons.

Helpful Hints

- *You can not enter the TUNER SET UP menu when you are in Line Input mode (channel 001 or 002). When you select channel 001 or 002, AV REAR or AV FRONT will appear on the TV screen briefly.*
- *Choose channel 001 or 002 when you are playing other sources through the VCR (for example, if you connected a camcorder to the VCR so you can record a home movie or watch it on your TV).*
- *You can not program channels if you are using a Cable Box or DBS.*
- *If you have an antenna, channels 2-69 will be available. If you have a cable connection, channels 1-125 will be available.*
- *You may need to repeat the steps on this page if a power failure occurs.*

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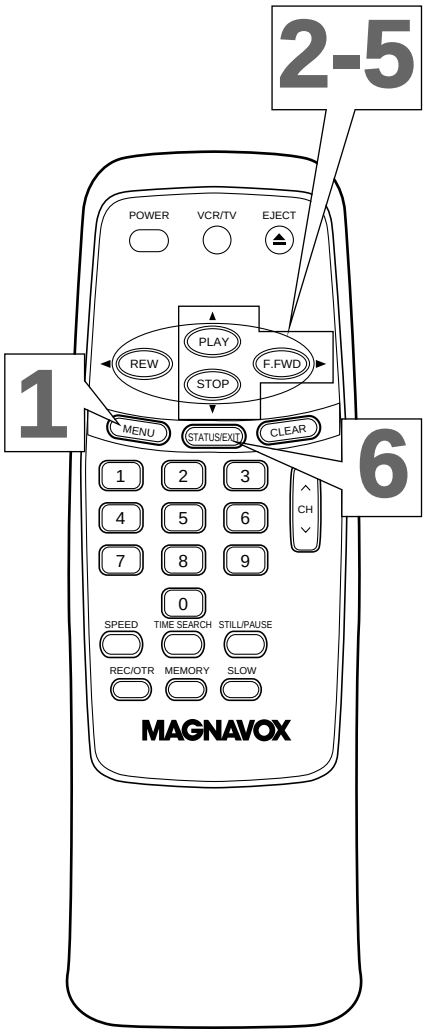
Adding/Deleting Channels

If your channel lineup changes, you may want to add newly available channels or remove channels that are no longer available in your area. You can use the CH(annel) ▲/▼ button to scroll through only the available channels. To add or delete channels from the VCR's memory, follow these steps.



1 **Press the MENU button**.

2 **Press the PLAY/▲ button or the STOP/▼ button to select TUNER SET UP, then press the F.FWD/► button.**

3 **Press the PLAY/▲ button or the STOP/▼ button to select ADD/DELETE CH, then press the F.FWD/► button.**

```
SELECT ▲▼ ADD/DELETE ►

 124        DELETED
 125        DELETED
   1   →    DELETED
   2        ADDED
   3        ADDED

TO END PUSH EXIT
```

NOTE: If you have an antenna, channel numbers 2-69 will appear on the ADD/DELETE CH menu. If you have a cable connection, channels 1-125 will be available.

4 **Press the PLAY/▲ button or the STOP/▼ button until the channel number you want to add or delete appears beside the arrow.**

```
SELECT ▲▼ ADD/DELETE ►

 16         DELETED
 17         ADDED
 18    →    ADDED
 19         ADDED
 20         ADDED

TO END PUSH EXIT
```

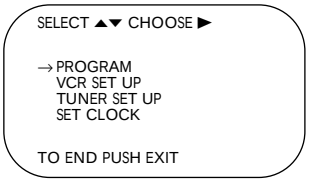
5 **Press the F.FWD/► button to select ADDED or DELETED.** Repeat steps 4 and 5 until you have added or deleted all the channels you wanted to add or delete.

6 **Press the STATUS/EXIT button**.

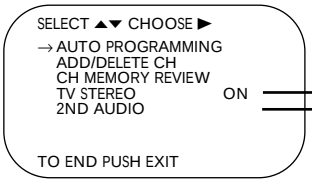
14 Automatic Channel Setup (cont'd)

Reviewing Memorized Channels

1 **Press the MENU button.**



2 **Press the PLAY/▲ button or the STOP/▼ button to select TUNER SET UP, then press the F.FWD/► button.**

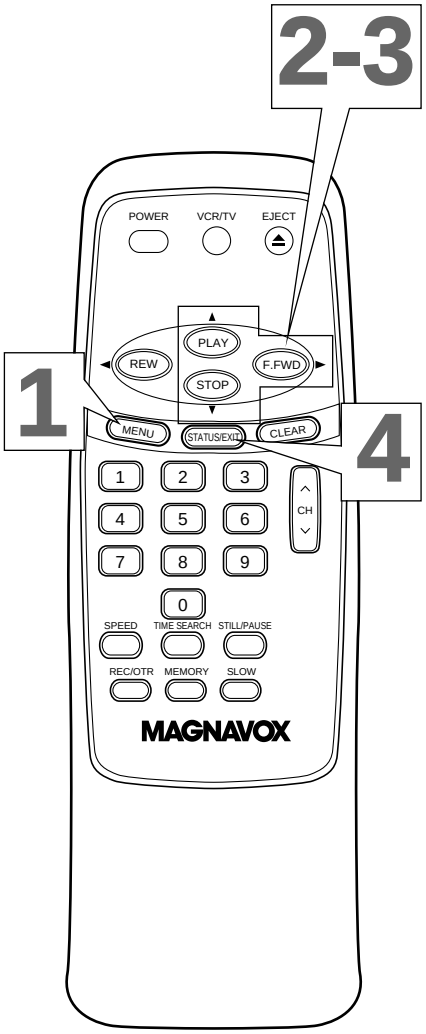


MVR630MG only

3 **Press the PLAY/▲ button or the STOP/▼ button to select CH MEMORY REVIEW, then press the F.FWD/► button.** A list of programmed channels will appear on the screen.

- If all the programmed channels don't fit on the screen, press the F.FWD/► button to see the remaining channels. Then press the REW(ind)/◄ button to return to the first screen of channels. If there are no more channels, pressing the F.FWD/► button will take you back to the previous menu.
- If you do not press any buttons within 10 seconds, you will either go to the next screen of channels or you will return to the previous menu.

4 **Press the STATUS/EXIT button once or twice to exit.**



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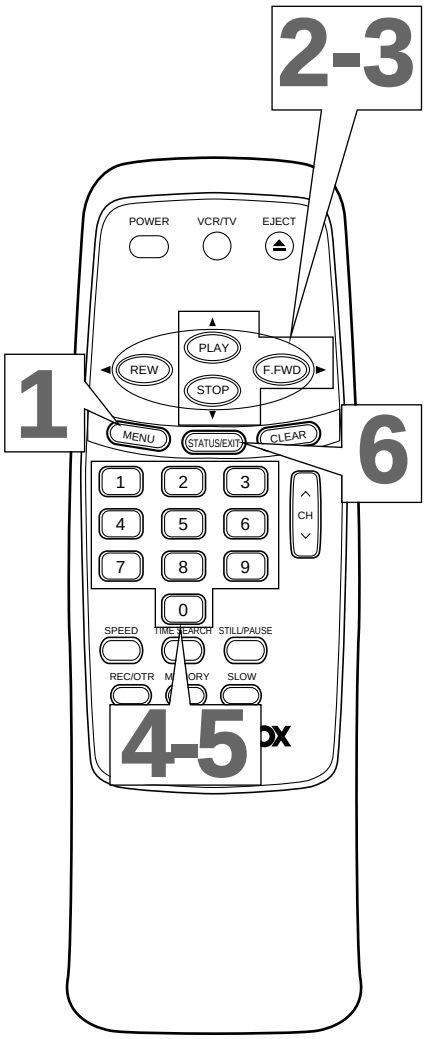
Follow the steps below to set your VCR's clock. Make sure:

- The VCR is on and the VCR/TV light appears on the display panel. (If it does not, press the VCR/TV button once.)
- You make each entry within 60 seconds of the previous entry.



1 **Press the MENU button.**

2 **Press the PLAY/▲ button or the STOP/▼ button to select SET CLOCK, then press the F.FWD/► button.**

```
SET CLOCK

→ SET CLOCK
  DAYLIGHT SVG TIME [ON]

SELECT ▲▼ CHOOSE ►
TO END PUSH EXIT
```

3 **Press the PLAY/▲ button or the STOP/▼ button to select SET CLOCK again, then press the F.FWD/► button.**

```
TIME – – :– –
DATE – – / – – / – –

TO END PUSH EXIT
```

4 **Press two Number buttons for the hour(s) and two Number buttons for the minute(s). Then press 1 for AM or 2 for PM.** For example, for 2:15 PM, press 02, 15, 2.

```
TIME  02 :15 PM
MONTH – – / – – / – –

TO CORRECT PUSH CLEAR
TO END PUSH EXIT
```

5 **Press two Number buttons for the month, two Number buttons for the day, and two Number buttons for the year.** For example, for July 1, 2002, press 07, 01, 02. The day of the week will appear automatically.

```
TIME  02 :15 PM
DATE  07 / 01 / 02
      MON.

TO CORRECT PUSH CLEAR
TO END PUSH EXIT
```

6 **Press the STATUS/EXIT button**.

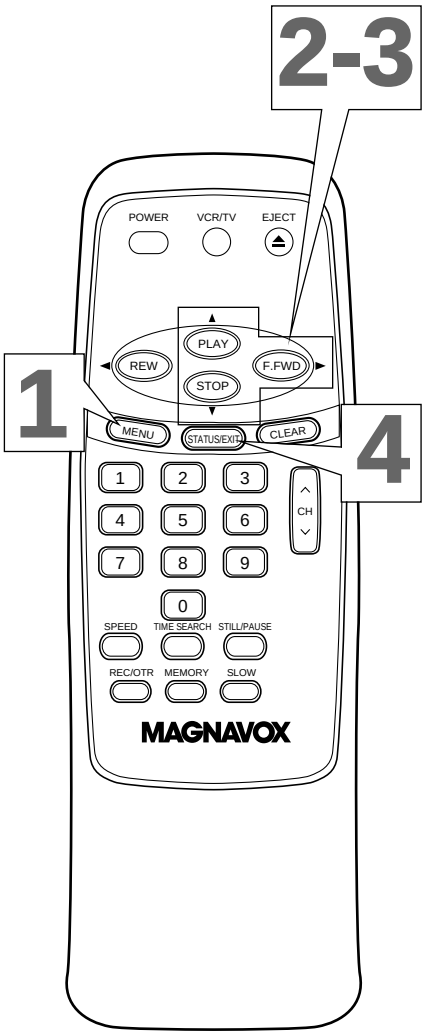
Helpful Hints

- *Enter a 0 before a single-digit number.*
- *Entries that do not match the VCR's clock or calendar will cause a question mark to appear on the screen.*
- *To make corrections, press the CLEAR button until the space for the number you want to correct is flashing. Then enter the correct number.*
- *To see the current time on the TV screen, press the STATUS/EXIT button. Details are on page 20.*
- *The VCR may lose the clock setting if the power fails.*

16 Daylight-Savings Time

You may program the VCR so its clock will automatically move forward one hour in April and turn back one hour in October. Daylight-Savings Time is ON when you receive your VCR. Turn Daylight-Savings Time ON or OFF by following the steps below.
Before you begin:

- Make sure you have set the clock. *Details are on page 15.*



1 **Press the MENU button.**

```
SELECT ▲▼ CHOOSE ►

→ PROGRAM
  VCR SET UP
  TUNER SET UP
  SET CLOCK

TO END PUSH EXIT
```

2 **Press the PLAY/▲ button or the STOP/▼ button to select SET CLOCK, then press the F.FWD/► button.**

```
        SET CLOCK

→ SET CLOCK
  DAYLIGHT SVG TIME [ON]

SELECT ▲▼ CHOOSE ►
TO END PUSH EXIT
```

3 **Press the PLAY/▲ button or the STOP/▼ button to select DAYLIGHT SVG TIME. Then, press the F.FWD/► button so that OFF (or ON) appears beside DAYLIGHT SVG TIME.**

```
        SET CLOCK

  SET CLOCK
→ DAYLIGHT SVG TIME [ON]

SELECT ▲▼ CHOOSE ►
TO END PUSH EXIT
```

4 **Press the STATUS/EXIT button.**

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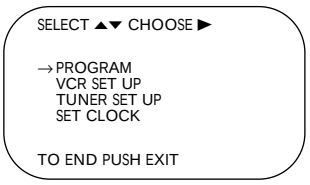
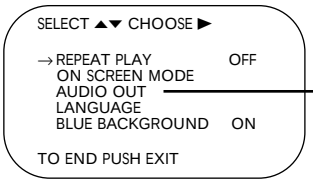
Follow the steps below to change the language of the on-screen displays and menus.

1 **Press the MENU button**.

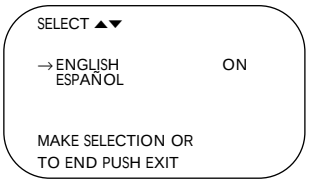


2 **Press the PLAY/▲ button or the STOP/▼ button to select VCR SET UP, then press the F.FWD/▶ button.**



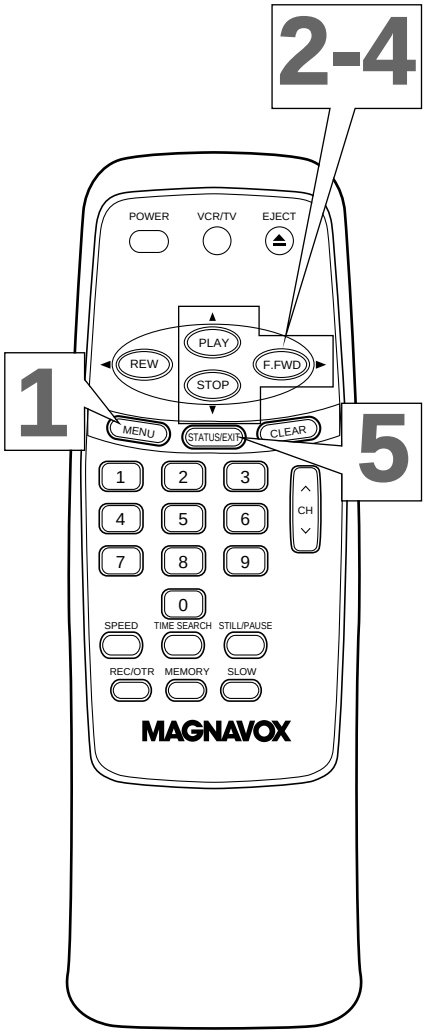
MVR630MG only

3 **Press the PLAY/▲ button or the STOP/▼ button to select LANGUAGE, then press the F.FWD/▶ button.**



4 **Press the PLAY/▲ button or the STOP/▼ button to select English or Spanish on-screen displays and menus.** If Spanish is selected, the menu will show: ESPAÑOL SI. If English is selected, the menu will show: ENGLISH ON.

5 **Press the STATUS/EXIT button**.



Helpful Hint

- *If you accidentally select Spanish and need English:*

1. *Press the MENU button.*
2. *Press the PLAY/▲ button or the STOP/▼ button to select PREPARE EL VCR, then press the F.FWD/▶ button.*
3. *Press the PLAY/▲ button or the STOP/▼ button to select LENGUAJE, then press the F.FWD/▶ button.*
4. *Press the PLAY/▲ button or the STOP/▼ button to select ENGLISH.*
5. *Press the STATUS/EXIT button.*

18 Remote Control Buttons

EJECT Button
Press to eject the tape.

POWER Button
Press to turn on or off the VCR.

PLAY/▲ Button
Press to play a tape; press to release Slow, Search, or Still mode and return to normal playback. *Details are on page 36.*
Press to select an item in the on-screen menu.

MENU Button
Press to access the VCR menu.

Number Buttons
Press to select channels at the VCR or use to set up VCR features (such as the clock).

Cable Users ●
Enter channel numbers as a two-digit number for the quickest results. For example, to select channel 6, press 0,6. If you only press the Number 6 button, channel 6 will appear after a brief delay. (There also may be a brief delay when you select channels 10, 11, and 12.) To select channels 100 and above, enter channel numbers as a three-digit number. For example, to select channel 117, press 1, 1, 7.

Antenna Users ●
Only channels 2-69 will be available. For quickest results, enter channels as above.

SPEED Button
Press to select the recording speed (SP or SLP). *Details are on pages 30 and 46.*

REC(ord)/OTR Button
Press once to start a recording. *Details are on page 25.* Or, press repeatedly to start a One-Touch Recording. *Details are on page 27.*

MEMORY Button
Press to memorize a tape position at which the real-time counter was set to 0:00:00. *Details are on page 34.*

SLOW Button
During tape playback, press to view the picture in slow motion. Press again to resume normal playback. *Details are on page 36.*

STILL/PAUSE Button
While recording, press to temporarily stop the recording (pause). Press a second time to resume normal recording. *Details are on page 25.*
You can not pause a One-Touch Recording.
Press during tape playback to freeze the picture. Press again to resume playback. *Details are on page 36.*

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F.FWD(Fast Forward)/► Button
When playback is stopped, press to fast forward the tape at high speed. During playback, press to fast forward the tape while the picture stays on the screen. *Details are on page 36.* Press to advance to the next menu or to change the setting of an item in the menu.

VCR/TV Button
Press to select VCR position or TV position.

VCR Position
Use to watch a tape, to watch a program while recording it, or to watch a TV broadcast using the CH(annel) ▲/▼ or Number buttons to change channels at the VCR. If the VCR/TV light appears on the VCR display panel, it is in VCR position.

TV Position
Use to watch TV (changing channels at the TV) or to watch one program while recording another. *Details are on page 26.* If the VCR/TV light doesn't appear on the display panel, it is in TV position.

REW(ind)/◄ Button
When tape playback is stopped, press to rewind the tape at high speed. During playback, press to rewind the tape while the picture stays on the screen. *Details are on page 36.* Press to return to a previous menu.

STOP/▼ Button
Press to stop the tape. Press to select an item in the VCR menu.

TIME SEARCH Button
Press to fast forward or rewind the tape a specific length of time. *Details are on page 35.*

CH(annel) ▲/▼ Button
Press to change channels at the VCR.

CLEAR Button
Press to erase incorrect information when programming VCR functions. Also, press to reset the real-time counter. *Details are on page 34.*

STATUS/EXIT Button
Press to access or remove the on-screen status display. *Details are on page 20.* Press to exit on-screen menus.

20 On-Screen Status Displays

A status display will appear when you press the STATUS/EXIT button or certain function buttons. The contents of the status display will vary. To choose the status display mode, follow the steps below.

If you select STATUS ON, then select COUNTER ONLY ON:

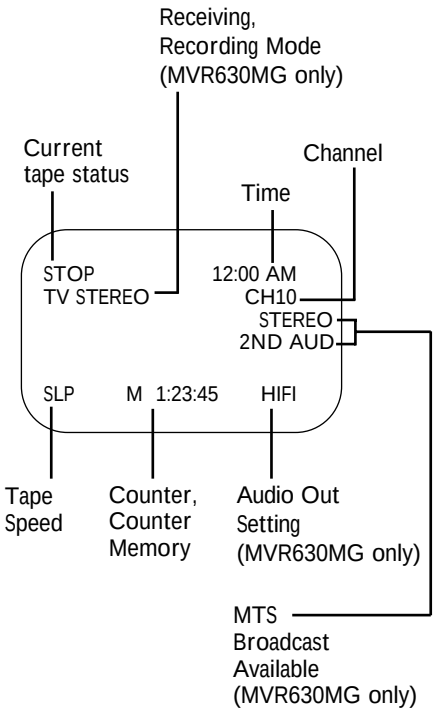
- Whenever you press the STOP/▼ button or the PLAY/▲ button, the status display will appear for five seconds. After five seconds, only the counter will remain on the screen. You must press the STATUS/EXIT button to remove it. Portions of the status display also may appear when you press other function buttons.

If you select STATUS ON, then select COUNTER ONLY OFF:

- Whenever you press the STOP/▼ button or the PLAY/▲ button, the status display will appear for five seconds. Portions of the status display also may appear when you press other function buttons.

If you select STATUS OFF:

- The status display will not appear when you press function buttons. You must press the STATUS/EXIT button to see the status display.

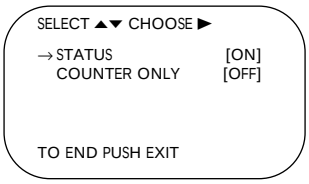


1 **Press the MENU button.**

2 **Press the PLAY/▲ button or the STOP/▼ button to select VCR SET UP, then press the F.FWD/▶ button.**

3 **Press the PLAY/▲ button or the STOP/▼ button to select ON SCREEN MODE, then press the F.FWD/▶ button.**

4 **Press the PLAY/▲ button or the STOP/▼ button to select STATUS, then press the F.FWD/▶ button so that OFF (or ON) appears beside STATUS.**



5 **If you set STATUS to OFF, go to step 6. If you set STATUS to ON, press the PLAY/▲ button or the STOP/▼ button to select COUNTER ONLY, then press the F.FWD/▶ button so that OFF (or ON) appears beside it.**

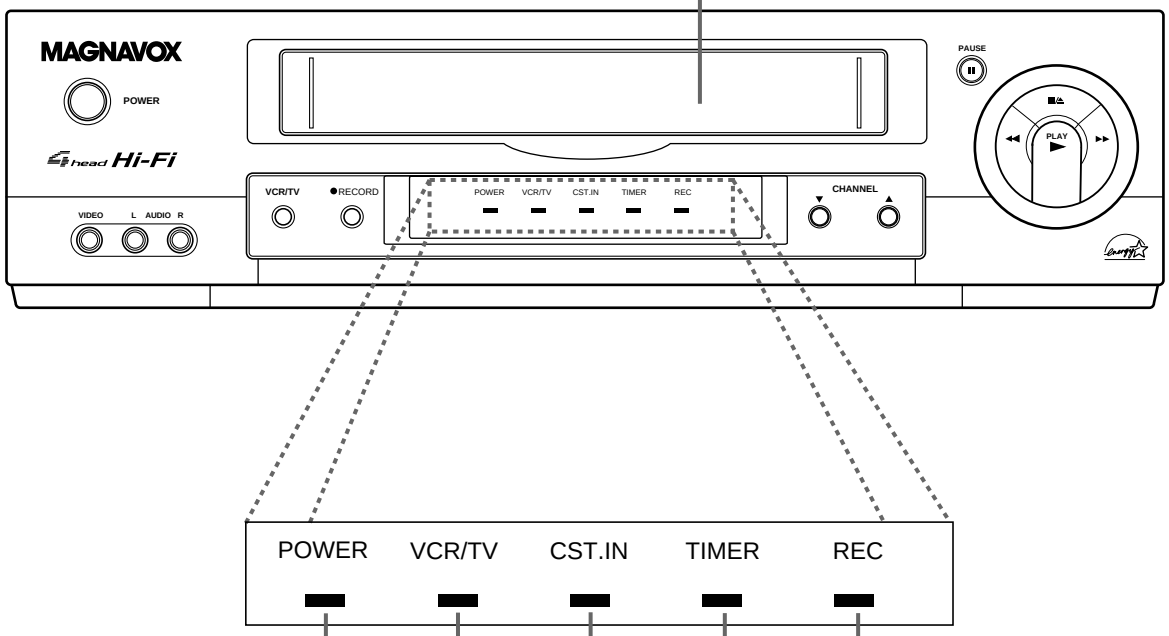
6 **Press the STATUS/EXIT button**.

Helpful Hints

- *You may not access a status display when viewing a still picture, during slow motion playback, or during forward or reverse searching.*
- *The status display may not appear if a weak channel is selected and BLUE BACKGROUND is OFF. Details are on page 41.*

VCR Display Panel 21

Cassette Compartment
Insert a tape here.



POWER Light
This light appears when the power is on.

VCR/TV Light
This light appears when the VCR is in VCR position. This light does not appear when the VCR is in TV position.
Details are on pages 19 and 22.

RECORD Light
This light appears during a recording. It flashes when a recording is paused.

TIMER Light
This light glows when the VCR is turned off to set a timer recording, during a timer recording, or during a One-Touch Recording. It flashes if the power is off for a timer recording, but there is no tape in the VCR. It flashes when all timer recordings or One-Touch Recordings are finished.

CST.IN (Cassette Inside) Light
This light appears when a tape is in the VCR.

22 Front Panel

Remote Sensor
Receives a signal from your remote control so you can operate your VCR from a distance.

POWER Button
Press to turn the VCR power on and off.

VIDEO In Jack
Connect a video cable coming from the video out jack of a camcorder, another VCR, or an audio-visual source (laser disc player, digital video disc player, etc.) here. *Details are on page 32.*

PAUSE Button
While recording, press to pause the recording. Press again to resume recording. *Details are on page 25.* You can not pause a One-Touch Recording. During tape playback, press to freeze the picture. Press again to resume playback. *Details are on page 36.*

Fast Forward ▶▶ Button
When playback is stopped, press to fast forward the tape at high speed. During tape playback, press to fast forward the tape while the picture stays on the screen. *Details are on page 36.* Press to advance to the next VCR menu or to change the setting of an item in the menu.

Stop/Eject ■/⏏ Button
Press once to stop the tape. When playback is stopped, press to eject the tape. Press to select an item in the VCR menu.

PLAY Button
Press to play a tape. Press to release Slow, Search, or Still mode and return to playback. *Details are on page 36.* Press to select an item in the VCR menu.

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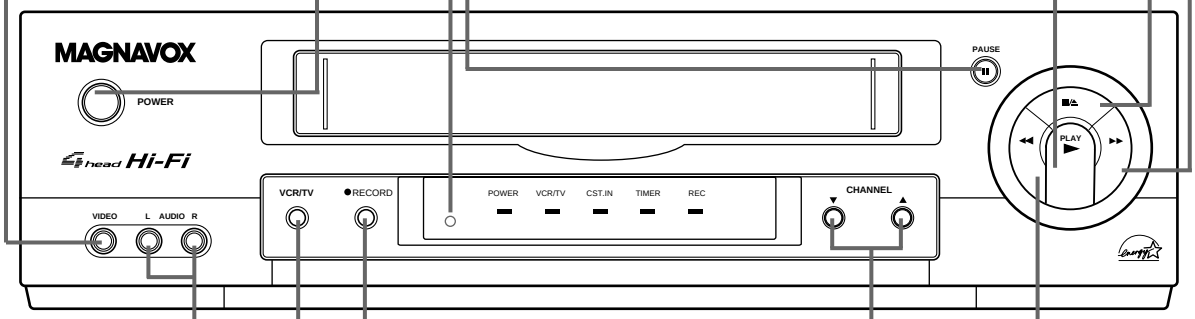

AUDIO In Jacks
Connect the audio cables coming from the audio out jacks of a camcorder, another VCR, or an audio source here. *Details are on page 32. The MVR630MG is shown here. The MVR430MG has only one AUDIO IN jack.*

CHANNEL (▼/▲) Buttons
Press to change channels at the VCR. Or, press to adjust the tracking of a tape during normal playback or slow motion playback. Also, press to remove vertical jitter in a Still picture.

RECORD Button
Press once to start a recording. Press repeatedly to start a One-Touch Recording. *Details are on page 27.*

VCR/TV Button
Press to select VCR or TV position.

- **VCR Position**
  Use to watch a tape, to watch a program while recording it, or to watch a TV program (changing channels at the VCR). When the VCR/TV light appears on the display panel, the VCR is in VCR position.
- **TV Position**
  Use to watch TV (changing channels at the TV) or to watch one program while recording another. When the VCR/TV light does not appear on the display panel, the VCR is in TV position.

Rewind ◀◀ Button
When playback is stopped, press to rewind the tape at high speed. During playback, press to rewind the tape while the picture stays on the screen. *Details are on page 36.* Press to return to a previous VCR menu.

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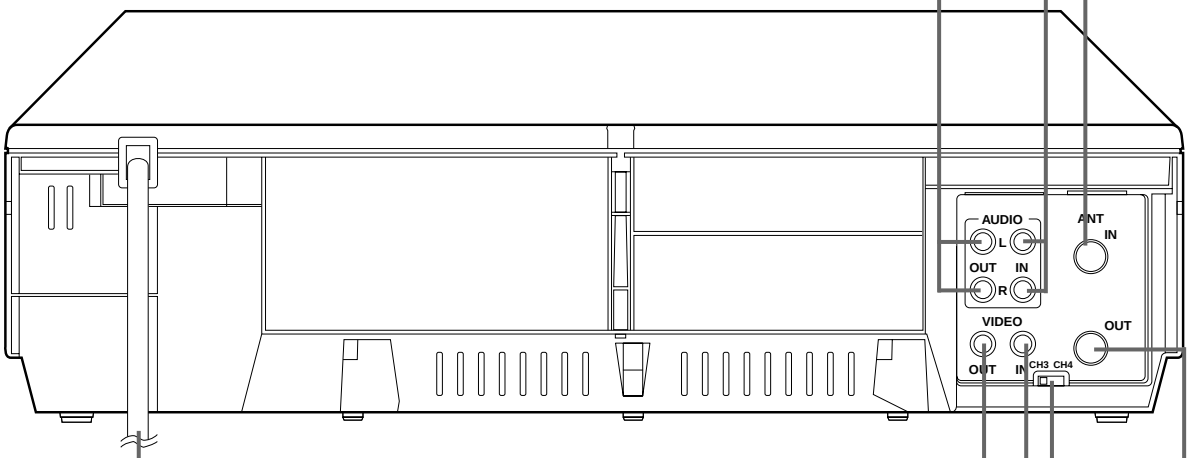
ANT(enna) IN Jack
Connect your antenna or cable here. *Details are on pages 6-10.*

AUDIO IN Jacks
Connect the audio cables coming from the AUDIO OUT Jacks of a camcorder, another VCR, or an audio source here. *Details are on page 32.*
The MVR630MG is shown here. The MVR430MG has only one AUDIO IN jack.

AUDIO OUT Jacks
Connect the audio cables going to the AUDIO IN Jacks of a TV, camcorder, another VCR, or an audio system here. *Details are on pages 10, 32, and 38.*
The MVR630MG is shown here. The MVR430MG has only one AUDIO OUT jack.

MVR630MG



VIDEO OUT Jack
Connect a video cable going to the VIDEO IN Jack of a TV, camcorder, another VCR, or an audio-visual system (monitor, laser disc player, digital video disc player, etc.) here. *Details are on pages 10, 32, and 38.*

VIDEO IN Jack
Connect a video cable coming from the VIDEO OUT Jack of a camcorder, another VCR, or an audio-visual source (laser disc player, digital video disc player, etc.) here. *Details are on page 32.*

CH3/CH4 Switch
Set to channel 3 or 4 to use your TV with your VCR. *Details are on pages 6-9.*

OUT Jack
Use the supplied RF coaxial cable to connect this jack to the ANTENNA IN Jack on your TV, Cable Box, or Direct Broadcast System. *Details are on pages 6-9.*

AC Power Cord
Connect to a standard AC outlet to supply power to the VCR.

24 Playing

Read and follow the steps below to play a tape.

1 **Turn on the TV and set it to channel 3 or 4**, whichever channel the CH3/CH4 switch on the back of the VCR is set to.

2 **Insert a tape in the VCR.** The POWER, VCR/TV, and CST. IN lights will appear on the display panel. If the tape's record tab is missing, playback will start automatically.

3 **If playback does not start automatically, press the PLAY/▲ button.**

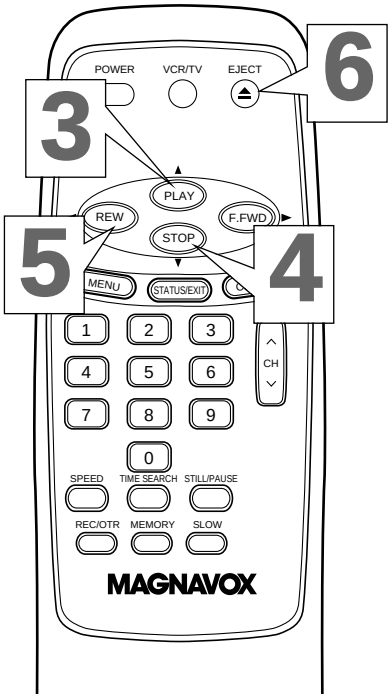
4 **Press the STOP/▼ button to stop playback.**

5 **Press the REW(ind)/◄ button to rewind the tape.**

6 **Press the EJECT button to remove the tape.**

1 Turn on the TV.

2 Insert a tape in the VCR.



Helpful Hints

- *If the tape you want to play is already in the VCR, make sure the VCR power is on and the VCR is in VCR position. (The VCR/TV light will appear on the display panel. If it does not, press the VCR/TV button once.) Press the PLAY/▲ button.*
- *Other playback options and features are on pages 33-40.*
- *If REPEAT PLAY is ON, playback will begin automatically when you insert a tape, even when the record tab is intact. Details are on page 33.*
- *Tape playback will not begin automatically if a timer recording is set and the VCR power is off. Details are on page 37.*
- *If you used the AUDIO and VIDEO OUT jacks to connect the VCR to the TV, see page 10. You need to choose a channel other than 3 or 4 at the TV to see the VCR image on your TV.*

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Read and follow the steps below to record a television program.

1 **Turn on the TV and set it to channel 3 or 4** - the channel to which the CH3/CH4 switch on the back of the VCR is set.

2 **Insert a tape with its record tab intact in the VCR.** If playback begins, press the STOP/▼ button to stop the tape.

3 If the VCR/TV light appears on the display panel, go to step 4. **If the VCR/TV light does not appear, press the VCR/TV button once.**

4 **Press the SPEED button repeatedly until the desired tape speed (SP or SLP) appears briefly on the screen.** *(Details about tape speed are on page 30.)*

5 **Use the CH(annel) ▲/▼ button or the Number buttons to select the channel you want to record.**

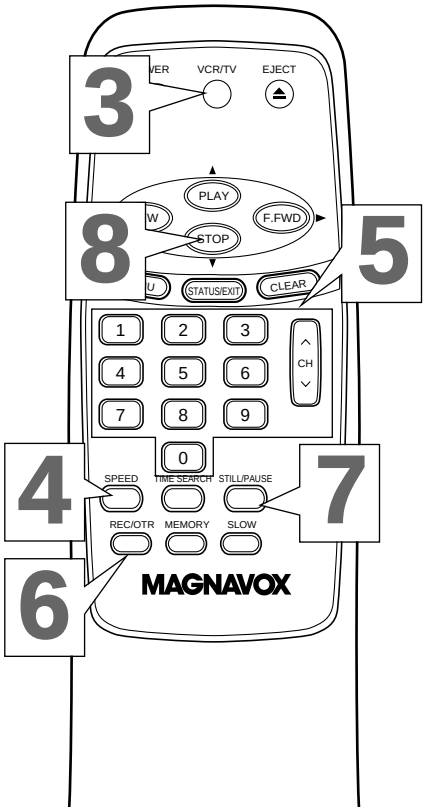
6 **Press the REC(ord)/OTR button once to start recording.** The RECORD light will appear on the display panel.

7 **To pause the recording, press the STILL/PAUSE button once.** The RECORD light will flash. **To resume recording, press the REC(ord)/OTR button or press the STILL/PAUSE button again.** The RECORD light will come on again.

8 **To stop recording, press the STOP/▼ button.**

1 Turn on the TV.

2 Insert a tape in the VCR.



Helpful Hints

- *If you press the REC(ord)/OTR button when a tape is not in the VCR, NO CASSETTE will flash on the screen.*
- *If you press the REC(ord)/OTR button while a tape without a record tab is in the VCR, the VCR will eject the tape and PROTECTED CASSETTE CANNOT RECORD will flash on the screen.*
- *For recording options, see pages 26-32.*
- *You can change the tape speed during a recording, but some distortion will appear on the tape.*
- *The VCR records in a preset volume.*
- *If you used the AUDIO and VIDEO OUT jacks to connect the VCR to the TV, see page 10. You need to choose a channel other than 3 or 4 at the TV to see the VCR image on your TV.*

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26 Recording One Channel/Watching Another

1 **Press the REC(ord)/OTR button to start a recording of the current channel.** (See page 25.) The RECORD light will appear on the VCR display panel.

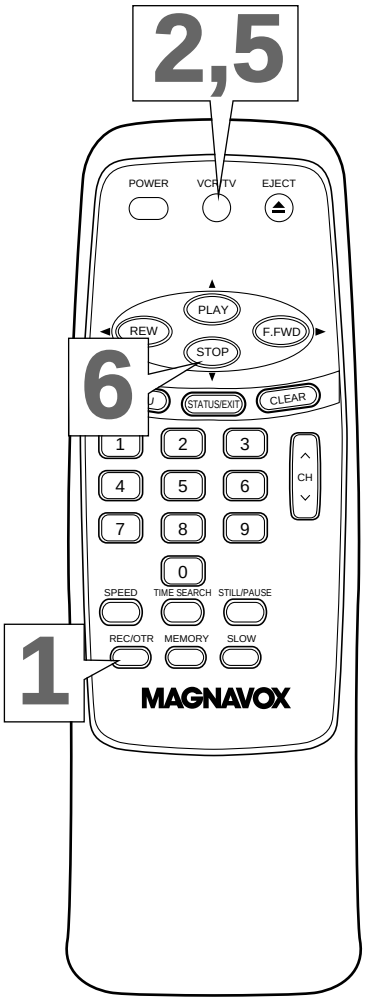
2 **Press the VCR/TV button to put the VCR in TV position.** The VCR/TV light will disappear from the VCR display panel.

3 **Use the TV remote control to select the channel you want to watch at the TV.**

4 **To return to the channel being recorded, use the TV remote control to select channel 03 or 04 at the TV** (the channel to which the CH3/CH4 switch on the back of the VCR is set).

5 **Press the VCR/TV button to put the VCR in VCR position.** The VCR/TV light will appear on the VCR display panel again.

6 **Press the STOP/▼ button to stop the recording.**



3 Select the channel you want to watch at the TV.

4 Select channel 03 or 04 at the TV.

Helpful Hints

- *If you use a Cable Box or Direct Broadcast System, you may not be able to watch one channel while recording another. See pages 8-9 for details.*
- *If you used the AUDIO and VIDEO OUT jacks to connect the VCR to the TV, see page 10. You may need to choose a channel other than 3 or 4 at step 4 above.*

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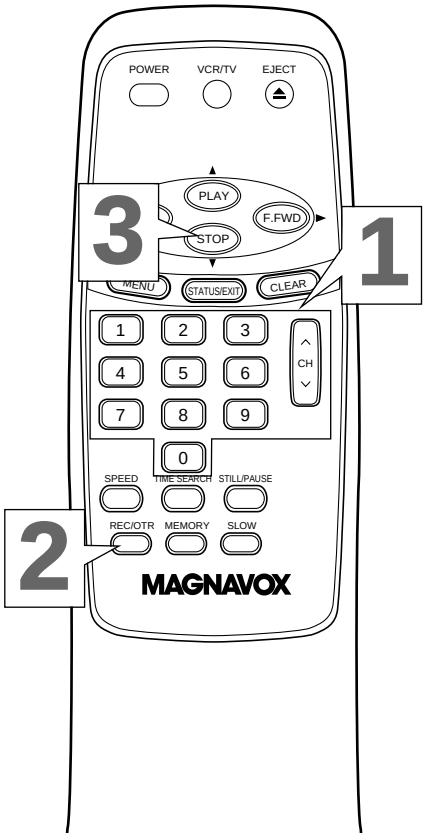
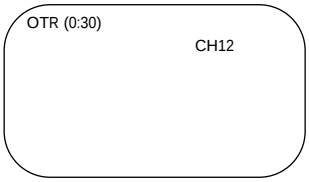
The One-Touch Recording (OTR) feature allows you to set an immediate timed recording 30 minutes to eight hours long.
Before you begin:

- Set up the channels at the VCR. *Details are on page 12.*
- Select a recording speed (SP, SLP) with the SPEED button.
- Put a tape in the VCR. Make sure the tape's record tab is intact and the tape is long enough to record the program(s). If the end of a tape is reached during an OTR, the VCR will eject the tape and turn itself off.
- Place the VCR in VCR position. (The VCR/TV light will appear on the VCR display panel. If it does not, press the VCR/TV button once.)



1 Press the CH(annel) ▲/▼ button or the Number buttons to select the channel you want to record.

2 Press the REC(ord)/OTR button repeatedly until the desired recording length (30 minutes to eight hours) appears on the TV screen. Recording will begin immediately. The RECORD light and the TIMER light will appear on the VCR display panel.



3 To stop an OTR before recording is finished, press the STOP/▼ button.
To cancel the OTR but continue recording, press the REC(ord)/OTR button repeatedly until REC appears in the upper left corner of the TV screen. (STATUS must be set to ON. See page 20 for details.) The RECORD light will remain on the VCR display panel, but the TIMER light will disappear.

Helpful Hints

- *To check the time remaining for an OTR after the OTR has been set, press the STATUS/EXIT button.*
- *To change the recording length while an OTR is in progress, press the REC(ord)/OTR button until the desired length appears on the screen.*
- *If you begin an OTR when another recording is paused, the OTR will begin.*
- *You can not pause an OTR.*
- *If the preset time for a timer recording comes up during an OTR, the OTR has priority. A message will remind you when the timer recording was scheduled to begin. You may let the OTR continue; the timer recording will not take place. Or, stop the OTR and turn off the VCR immediately. The timer recording will take place if you turn off the VCR before the timer recording's scheduled start time.*
- *When the OTR finishes, the VCR shuts itself off.*

28 Timer Recording

Follow the steps below to program your VCR to record TV programs while you're away from home. The VCR will turn itself on, record, and turn itself off automatically. Before you begin:

- Set up the channels at the VCR. *Details are on page 12.*
- Set the clock. *Details are on page 15.*
- Put a tape in the VCR. Make sure the tape's record tab is intact and the tape is long enough to record the program(s).
- Make sure the VCR is in VCR position. The VCR/TV light will appear on the display panel. If it does not, press the VCR/TV button once.

Do each step within 60 seconds of the previous step.

1 **Press the MENU button.**

```
SELECT ▲▼ CHOOSE ►

→PROGRAM
  VCR SET UP
  TUNER SET UP
  SET CLOCK

TO END PUSH EXIT
```

2 **Press the PLAY/▲ button or the STOP/▼ button to select PROGRAM, then press the F.FWD/► button.**

```
SELECT ▲▼ CHOOSE ►

→ONCE
  DAILY
  WEEKLY
  PROGRAM REVIEW

TO END PUSH EXIT
```

3 **Press the PLAY/▲ button or the STOP/▼ button to select a ONCE, DAILY, or WEEKLY recording. Then, press the F.FWD/► button.**

- **ONCE:** The VCR will record a TV program on any day you choose, up to 12 months away.
- **DAILY:** The VCR will record the same channel every day from Monday to Friday – starting at the same time and recording for the same length of time.
- **WEEKLY:** The VCR will record the same channel on the same day, at the same time, and for the same length of time every week.

Daily Recording (example)

```
DAILY PROGRAM (MON-FRI)
  PROGRAM   -1 2 3 4 5 6 7 8-

SELECT PROGRAM NUMBER
TO END PUSH EXIT
```

Helpful Hint

- *If you need to make a correction while programming a timer recording, press the CLEAR button until the cursor is flashing on the item you want to change. Then enter the correct information.*

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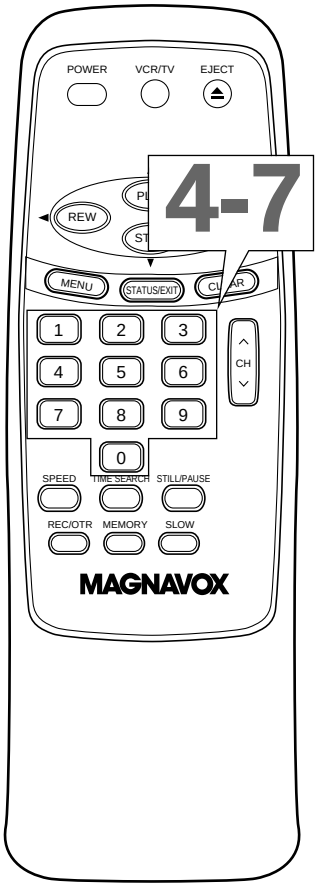
4 **Use the Number buttons (1-8) to select a slot in which to store the timer recording.** There are eight slots. Numbers for open slots will flash on the screen.
NOTE: If you enter a number for a slot that has already been used to store a timer recording, PREVIOUSLY SET PROGRAM will appear on the screen briefly. Information about the program in that slot will appear on the screen. If this happens, press the STATUS/EXIT button, then select another number.

5 **Use the Number buttons to enter the channel you want to record.**

- Cable Users, enter channel numbers as a two-digit number for the quickest results. For example, to select channel 6, press 0,6. If you only press the Number 6 button, channel 6 will be selected after a brief delay. There also may be a brief delay when you select channels 10, 11, and 12. If you want to select channels 100 and above, enter channel numbers as a three-digit number. For example, to select channel 117, press 1, 1, 7.

  Antenna Users, enter channel numbers as a two-digit number for the quickest results. For example, to select channel 5, press 0,5. If you only press the Number 5 button, channel 5 will be selected after a brief delay. You may only select channels 2-69.
- If you are recording from line input, press 0,0 to select AV REAR.
- If you are using a Cable Box/DBS, enter the Cable Box/DBS output channel (03 or 04). Set the Cable Box/DBS to the channel you want to record. Leave the Cable Box/DBS on for the timer recording. *See page 8 for details.*



6 **Press two Number buttons for the hour you want the recording to begin. Press two Number buttons for the minute you want the recording to begin. Press 1 for AM or 2 for PM.** For example, for 9:30 PM, press 09, 30, 2.

```
ONE TIME PROGRAM
  PROGRAM    1
  CHANNEL    10
  TIME ON    – – : – –


TO CORRECT PUSH CLEAR
TO END PUSH EXIT
```

7 **Follow the instructions in step 6 to enter the recording's stop time.** (AM or PM will be set automatically.)

```
ONE TIME PROGRAM
  PROGRAM    1
  CHANNEL    10
  TIME ON    09:30 PM
  TIME OFF   – – : – –


TO CORRECT PUSH CLEAR
TO END PUSH EXIT
```

Instructions continue on page 30.

Helpful Hints

- *Entries that do not match the VCR's clock or calendar will cause a question mark to appear on the screen.*
- *If you are recording from line input, connect the audio and video cables to the AUDIO IN and VIDEO IN jacks on the back of the VCR. (Please see illustration on page 32.)*

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8 **Press the Number 1 button to record in SP speed or the Number 2 button to record in SLP speed.** (See the box below.) You cannot use the SPEED button at this time.

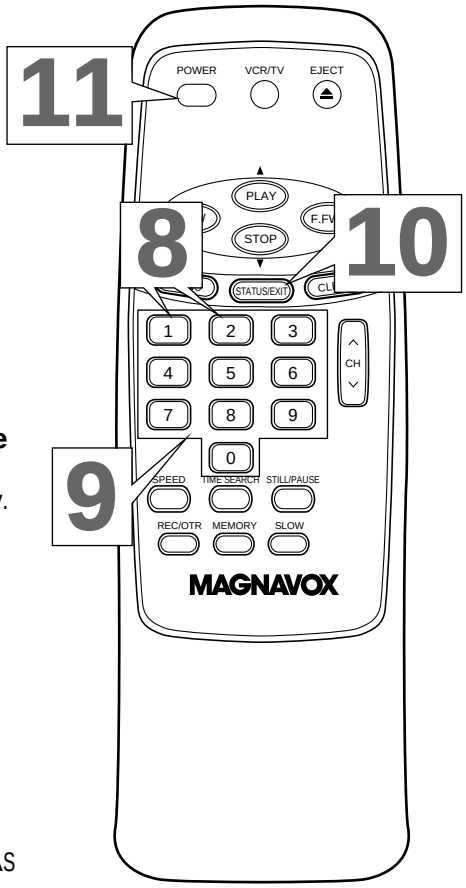
```
ONE TIME PROGRAM
  PROGRAM      1
  CHANNEL      10
  TIME ON      09:30 PM
  TIME OFF     11:00 PM
  REC SPEED    SLP
    SP=1  SLP=2

TO CORRECT PUSH CLEAR
TO END PUSH EXIT
```

9 **Press two Number buttons for the month and two Number buttons for the day you want to record the program.** For example, for July 10, 2002, press 07, 10. The day of the week and the year will appear automatically. (You cannot program the VCR to record more than one year in advance.)

```
ONE TIME PROGRAM
  PROGRAM      1
  CHANNEL      10
  TIME ON      09:30 PM
  TIME OFF     11:00 PM
  REC SPEED    SLP
  START DATE   07/10/02
               WED.
TO CORRECT PUSH CLEAR
TO END PUSH EXIT
```

10 **Press the STATUS/EXIT button.** PROGRAM WAS COMPLETED/PLEASE TURN OFF VCR FOR TIMER RECORDING will appear on the screen briefly. (If PROGRAM NOT COMPLETED appears, try again from step 1.)

11 **Press the POWER button to turn off the VCR power.** The TIMER light will appear on the display panel. The TIMER light will flash if there is no tape in the VCR. If the timer recording will take place several hours or days from now, you may use the VCR until time for the recording. Turn off the VCR a few minutes before the recording starts. If you forget to turn off the VCR, PLEASE TURN OFF VCR FOR TIMER RECORDING flashes on your TV screen two minutes before a timer recording is set to begin. Press the CLEAR button to remove the message, then turn off the VCR.



Turn off the VCR for the recording. Insert a tape in the VCR. Leave the Cable Box/DBS on (if applicable).

Tape Speeds
This chart shows the recording/playback time for three types of video cassettes (T160, T120, and T60). There are three playback speeds: SP, LP, and SLP. When recording, you can change the tape speed (SP or SLP) using the SPEED button. You cannot record in LP speed. You can play a tape only in the speed in which you recorded it.

Tape Speed	Cassette type/Playback Time T160	T120	T60
SP (standard play)	2 hrs. 40 mins.	2 hrs.	1 hr.
LP (long play) (playback only)	5 hrs. 20 mins.	4 hrs.	2 hrs.
SLP (super long play)	8 hrs.	6 hrs.	3 hrs.

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Checking or Cancelling Timer Recordings

1 With the VCR on and in VCR position (the VCR/TV light will appear on the display panel), **press the MENU button.**

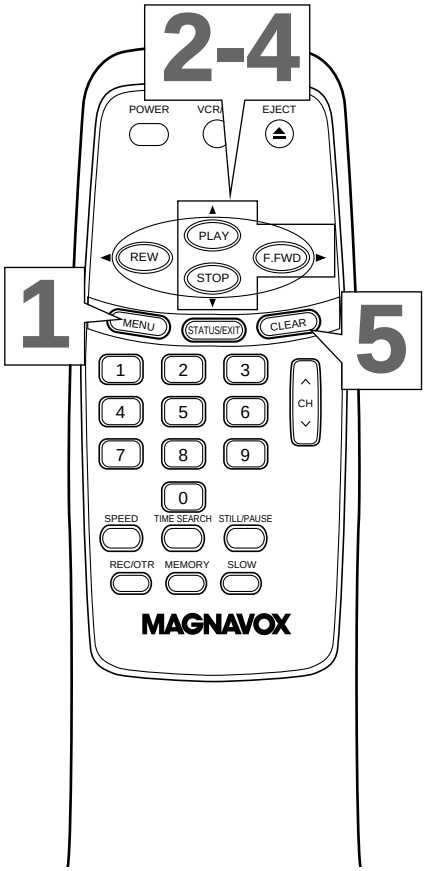
2 **Press the PLAY/▲ button or the STOP/▼ button to select PROGRAM, then press the F.FWD/► button.**

3 **Press the PLAY/▲ button or the STOP/▼ button to select PROGRAM REVIEW, then press the F.FWD/► button.** The timer recording information for the program in the lowest numbered slot will appear on the screen. If no timer recordings are set, nothing will happen when you press the F.FWD/► button.

4 **Press the F.FWD/► button repeatedly to review all programmed timer recordings.** If you don't press the F.FWD/► button within 10 seconds, the VCR will automatically display information about the next programmed timer recording. This will continue until all timer recordings have been displayed. Then the menu will disappear.

5 **To cancel the timer recording displayed, press the CLEAR button.** Either the display will disappear or information about other timer recordings will appear. If you do not press any other buttons, the display will disappear after all timer recordings have been displayed.

6 **Repeat steps 1-4 to make sure you have cleared the correct timer recording.**

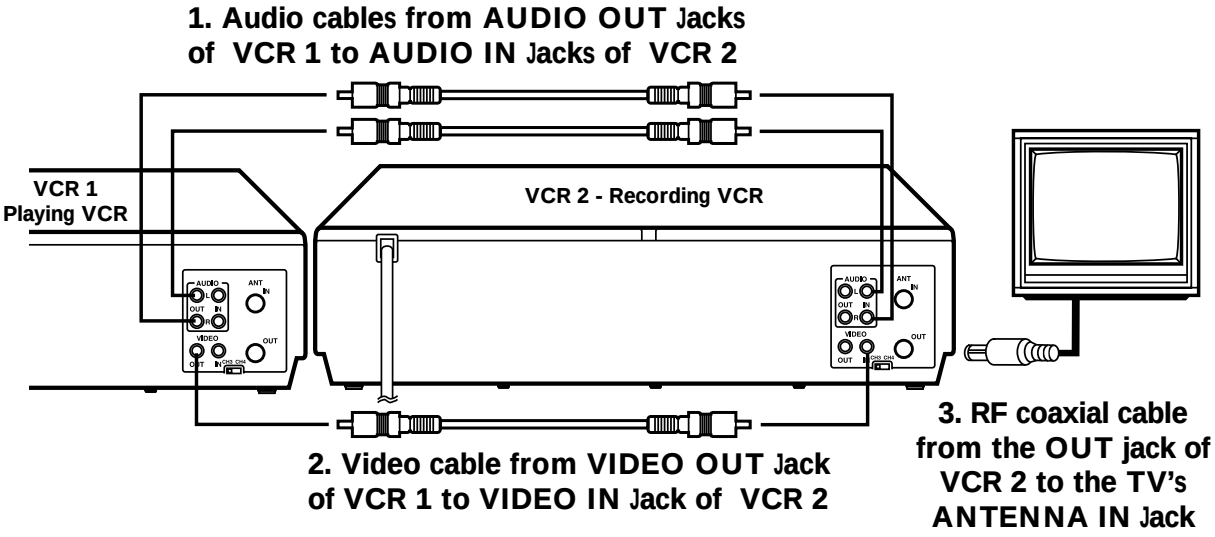


Helpful Hints

- *CLASH may flash on the screen when you finish setting a timer recording. This means that the timer recording you just programmed and another timer recording overlap. The current timer recording will not take place. You may choose to cancel the overlapping timer recording.*
- *To stop a started timer recording, press the Stop/Eject ■/⏏ button on the VCR.*
- *The VCR may lose timer recordings if the power fails. Reset the channels and the clock before resetting the timer recordings. Details are on pages 11 and 15.*
- *If the preset time for a timer recording comes up during an OTR, the OTR has priority. A message will remind you when the timer recording was scheduled to begin. You may let the OTR continue; the timer recording will not take place. Or, stop the OTR and turn off the VCR immediately. The timer recording will take place if you turn off the VCR before the timer recording's scheduled start time.*

See page 42 for more hints.

32 Rerecording (Tape Duplication)


1. Audio cables from AUDIO OUT Jacks of VCR 1 to AUDIO IN Jacks of VCR 2
VCR 1
Playing VCR
VCR 2 - Recording VCR
2. Video cable from VIDEO OUT Jack of VCR 1 to VIDEO IN Jack of VCR 2
3. RF coaxial cable from the OUT jack of VCR 2 to the TV's ANTENNA IN Jack

- Audio and Video cables are not supplied.

1 **Make the connections shown above.**

2 VCR 1 will play your tape. **Put a prerecorded tape in VCR 1.**

3 VCR 2 will record your tape. **Insert a blank tape in VCR 2.** The VCR must be in VCR position. (The VCR/TV light will appear on the display panel. If it does not, press the VCR/TV button once.)

4 **Turn on the TV and set it to channel 03 or 04,** whichever channel the CH3/CH4 switch on VCR 2 is set to.

5 **Point the remote control at VCR 2. Press the Number buttons 0, 0, 1 or 0, 0, 2.** *(See Helpful Hints at right.)*

6 **Press the SPEED button to select SP or SLP at VCR 2.**

7 **Press the PLAY button on VCR 1 and the RECORD button on VCR 2 at the same time.**
To stop recording, press the Stop/Eject ■/⏏ button on VCR 1, then press the Stop/Eject ■/⏏ button on VCR 2.

Helpful Hints

- *If you use the AUDIO and VIDEO IN Jacks on the back of VCR 2, press Number buttons 0, 0, 1 at step 5. AV REAR will appear on the TV screen.*
- *If you use the AUDIO and VIDEO In Jacks on the front of VCR 2, press Number buttons 0, 0, 2 at step 5. AV FRONT will appear on the TV screen.*
- *Unauthorized recording of copyrighted television programs, video tapes, or other materials may infringe on the rights of copyright owners and violate copyright laws.*
- *If a program has copyright protection, it may not record clearly.*
- *These instructions show you how to copy tapes using two MVR630MG VCRs. Different VCRs may operate differently.*
- *If you have the MVR430MG, you only need one audio cable to connect the single AUDIO OUT jack on VCR1 to the AUDIO IN jack on VCR2.*

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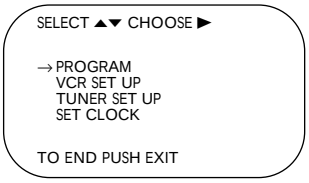
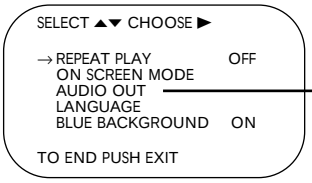
Follow the steps below to make the VCR play a tape over and over.

1 **Press the MENU button.**



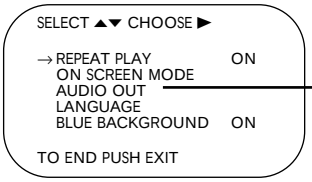
2 **Press the PLAY/▲ button or the STOP/▼ button to select VCR SET UP, then press the F.FWD/► button.**



MVR630MG only

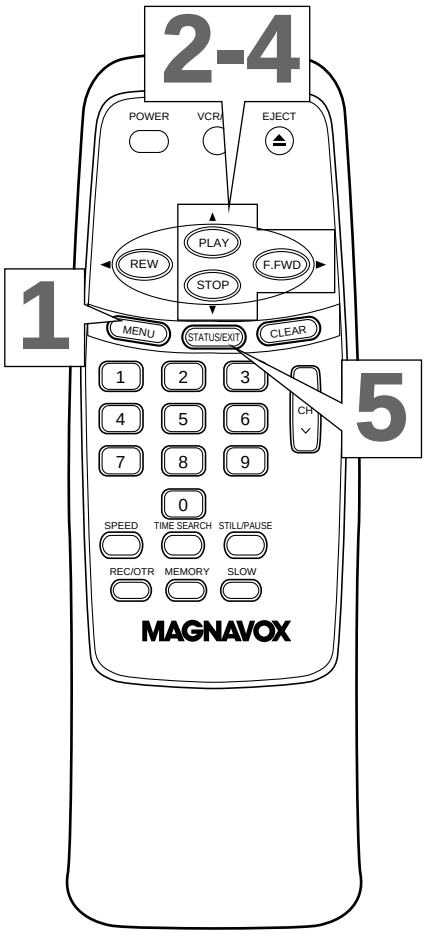
3 **Press the PLAY/▲ button or the STOP/▼ button to select REPEAT PLAY.**

4 **Press the F.FWD/► button so that ON appears beside REPEAT PLAY.**



MVR630MG only

5 **Press the STATUS/EXIT button.** Now, when a tape has finished playing, the VCR will rewind it and start playback again.



Helpful Hints

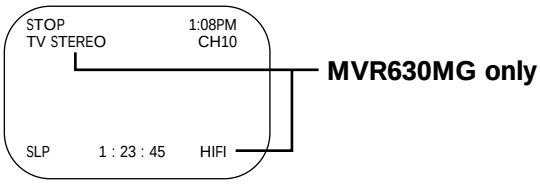
- *To cancel Repeat Play, follow steps 1-3 above. At step 4, press the F.FWD/► button so that OFF appears beside REPEAT PLAY. Press the STATUS/EXIT button.*
- *The real-time counter memory does not function during Repeat Play.*

34 Real-Time Counter Memory

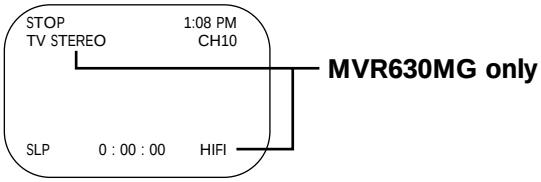
Follow the steps below to reset the real-time counter to zero at a tape location you want to refer to later.

1 **Play, fast forward, or rewind a tape to the location that you would like to refer to later. Press the STOP/▼ button to stop the tape.**

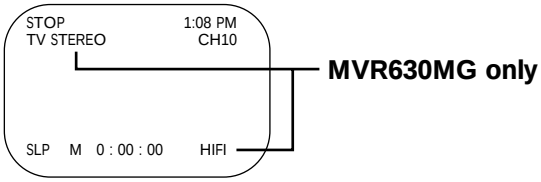
2 **Press the STATUS/EXIT button to see the status display.**



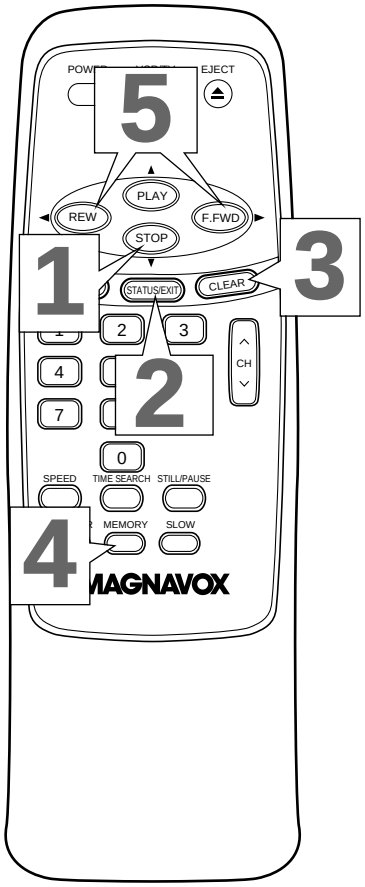
3 **While the status display is on the screen, press the CLEAR button to reset the real-time counter to zero.**



4 **While the real-time counter is on the screen, press the MEMORY button so that M appears beside the counter.**



5 **To go to a tape location where the real-time counter was reset to zero, press the REW(ind)/◄ button or the F.FWD/► button when playback is stopped.**
When the tape reaches the point at which the counter was set to zero, the tape will stop.
Press the PLAY/▲ button to watch the tape.



Helpful Hints

- *The MEMORY button does not function if REPEAT PLAY is ON. Details are on page 33.*
- *To erase a real-time counter memory, press the MEMORY button until the M disappears from the screen.*
- *You may only set the real-time counter to zero at one location at a time. Setting the real-time counter to zero at a second location will erase the previous real-time counter to zero setting.*

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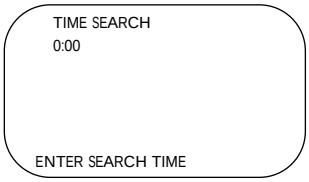
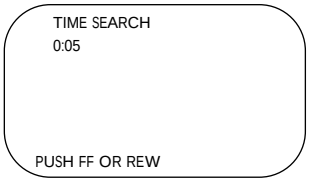
Follow the steps below to program the VCR to search forward or backward on a tape a specific length of time. There must be a tape in the VCR.

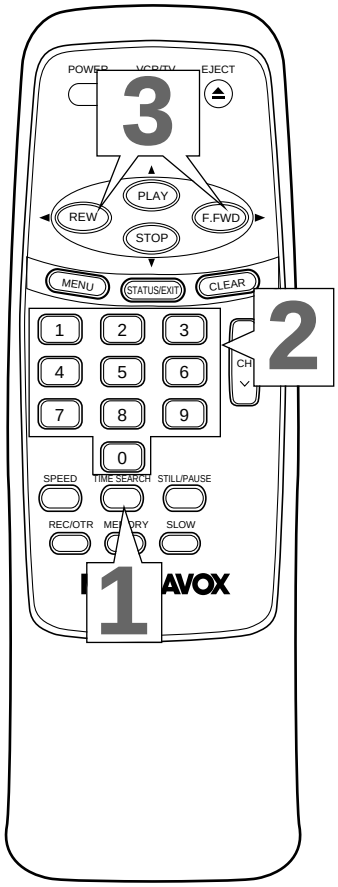
1 **Press the TIME SEARCH button.**



2 **Within 10 seconds, use the Number buttons to enter the desired length of time you want to skip forward or backward.** For example, for 1 hour, 25 minutes, press Number buttons 1, 2, 5. Or, for five minutes, press Number buttons 0, 0, 5.



3 **Within 10 seconds, press the F.FWD/► button or the REW(ind)/◄ button.** The VCR will skip over the specified length of time, then begin playback.



Helpful Hints

- *If you want to search for more than 59 minutes, you must enter the length of time in hours and minutes. For example, to search forward 70 minutes, press 1,1,0 at step 2.*
- *You can not do a Time Search while recording.*
- *To remove the Time Search display, press the TIME SEARCH button again.*
- *To cancel a Time Search that is in progress, press the STOP/▼ button.*

36 Special Effects Playback

Forward and Reverse Searching (SP/LP/SLP)

1 **During tape playback, press and release the F.FWD/► button or the REW(ind)/◄ button.** A fast forward or reverse picture search will begin.

2 **To return to playback, press the PLAY/▲ button.**

Super High Speed Searching (LP/SLP)

1 **During tape playback, press the F.FWD/► button or the REW(ind)/◄ button, then press again.** The VCR will now search in super high speed. Press the F.FWD/► button or the REW(ind)/◄ button repeatedly to switch between regular searching and super high speed searching.

2 **To return to normal playback, press the PLAY/▲ button.**

Viewing a Still Picture

1 **During tape playback, press the STILL/PAUSE button.** A still picture will appear on the screen.

2 **To release the still picture and return to playback, press the PLAY/▲ button or press the STILL/PAUSE button again.**

Viewing a Slow Motion Picture

1 **During tape playback, press the SLOW button**. The tape will play in slow motion.

2 **To release Slow mode and return to normal playback, press the PLAY/▲ button or press the SLOW button again.**

Helpful Hints

- *Slow and Still modes will automatically switch to Stop mode after five minutes to protect the VCR and the tape from damage.*
- *SP/LP/SLP means this feature will work with tapes recorded in Standard Play, Long Play, or Super Long Play.*
- *LP/SLP means this feature will work with tapes recorded in Long Play or Super Long Play. For details about tape speed, see pages 30 and 46.*

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The following playback features will always operate.

Automatic Playback

When you put a tape in the VCR, the power will come on automatically. If the tape's record tab is missing, playback will begin.
If a timer recording is set, the power will not come on automatically when you insert a tape with the record tab intact.
If a timer recording is set and the VCR power is off, the VCR will eject the tape if the record tab is missing.

Automatic Rewind, Eject, Off

When you play, fast forward, or record a tape to its end, the VCR will rewind the tape to the beginning, stop, eject the tape, then turn itself off. If the real-time counter memory is set, the VCR will only rewind the tape to the point at which the counter is set to zero, then stop. The VCR will not eject the tape automatically or shut itself off.
If REPEAT PLAY is ON, the VCR will not eject the tape automatically or shut itself off. Playback will continue as set for Repeat Play.

Tape Eject

You can eject a tape with the VCR power on or off (but the VCR must be plugged in). If you have set a timer recording, you can only eject a tape with the VCR power on. Make sure you insert a tape and turn off the VCR power for the timer recording.

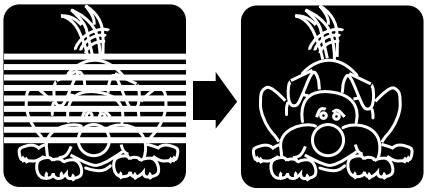
Automatic Tracking Adjustment

The VCR adjusts tracking automatically to give you the best possible picture quality. With some recordings, however, you may get a better picture using the manual tracking controls (see below).

Manual Tracking

To manually adjust the tracking during normal playback and slow motion playback, press the CHANNEL ▲/▼ buttons **on the VCR**. (The CH(annel) ▲/▼ button on the remote control will not adjust tracking.) Tracking will return to Automatic Tracking Adjustment when you press the STOP/▼ button or insert a tape.
You cannot manually adjust the tracking of a Still picture. However, you may press the CHANNEL ▲/▼ buttons on the VCR to remove vertical jitter in a Still picture.

Before Tracking Adjustment



After Tracking Adjustment

38 Multi-Channel Television Sound System (MVR630MG only)

Your VCR can play recordings broadcast in Hi-Fi (high fidelity) stereo, which produces a crisp, clear sound from two sources. Your VCR also can play tapes recorded in a second audio (usually, that means your program is recorded in a second language). Of course, your VCR will play tapes recorded in monaural (single-source) sound as well.

Your VCR also will record in Hi-Fi stereo or in second audio, so when you play that tape on the VCR, it will be in stereo or second audio.

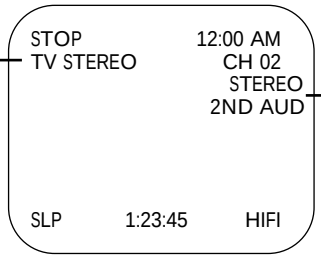
Read the directions on this page to familiarize yourself with your VCR's stereo and second audio setups. Then follow the directions on page 39 to record in stereo or second audio and the directions on page 40 to play tapes recorded in Hi-Fi stereo.

Understanding On-Screen Displays

When you receive a signal from a channel you're watching, portions of the on-screen display shown below will appear when you press the STATUS/EXIT button on the remote control.

The indication 2ND AUD or TV STEREO that appears on this side of the status display tells you if your VCR is receiving a second audio or stereo broadcast (as determined when you follow the steps on page 39).

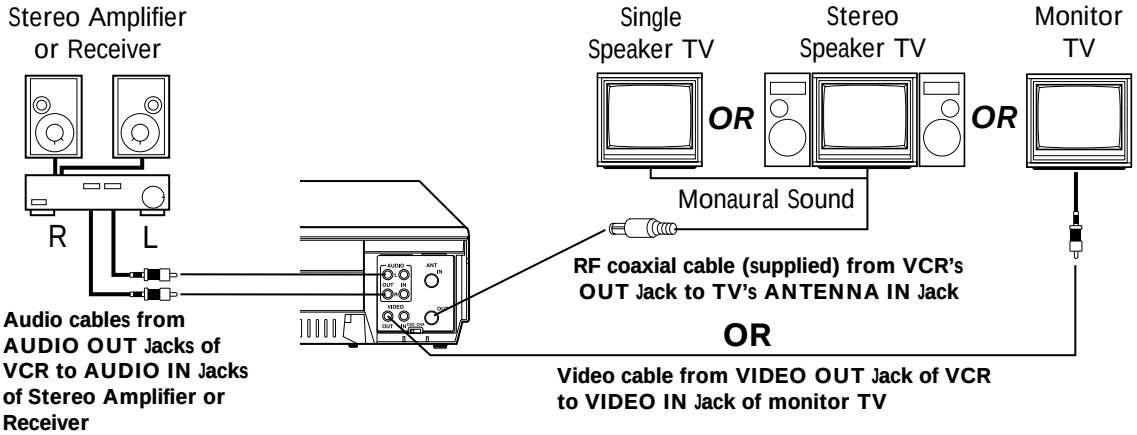
Although a program may be broadcast in both stereo and second audio, you cannot record in both stereo and second audio at the same time.



The indication 2ND AUD or STEREO that appears on this side of the status display tells you if the program you're watching is available in second audio or stereo. This indication is not available during tape playback.

Even though a program is available in stereo or second audio, you still must program the VCR to receive or record the program. Follow the directions on page 39.

To record and play programs broadcast in stereo, even if you have a single-speaker TV, just use one of the connections shown, then follow the steps on pages 39-40.


Stereo Amplifier or Receiver
R
L
Single Speaker TV
OR
Stereo Speaker TV
OR
Monitor TV
Monaural Sound
RF coaxial cable (supplied) from VCR's OUT Jack to TV's ANTENNA IN Jack
OR
Audio cables from AUDIO OUT Jacks of VCR to AUDIO IN Jacks of Stereo Amplifier or Receiver
Video cable from VIDEO OUT Jack of VCR to VIDEO IN Jack of monitor TV

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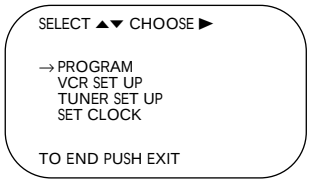
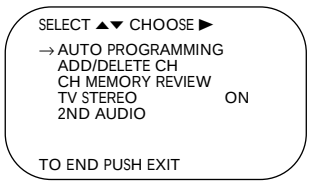
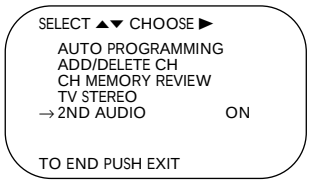
1 **Press the MENU button.**



2 **Press the PLAY/▲ button or the STOP/▼ button to select TUNER SET UP, then press the F.FWD/▶ button.**



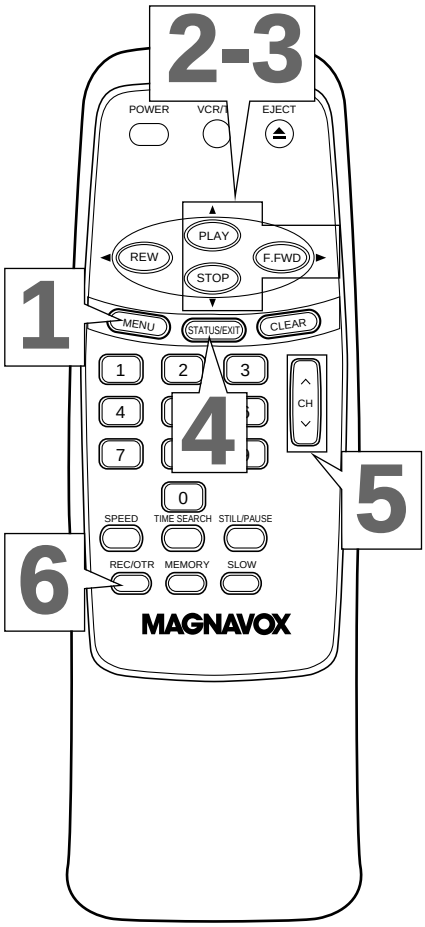
3 **Press the PLAY/▲ button or the STOP/▼ button to select TV STEREO or 2ND AUDIO. Then, press the F.FWD/▶ button. ON will appear to the right of your selection.**



4 **Press the STATUS/EXIT button.**

5 **To record, select the channel to be recorded using the CH(annel) ▲/▼ button, then go to step 6.**

6 **Press the REC(ord)/OTR button to start recording.**



Helpful Hints

- *You can only receive and record in stereo or second audio programs that are broadcast in stereo or second audio. You can only play in stereo or second audio tapes that were recorded in stereo or second audio. Please see page 38 to determine if the program you want to watch/record is being broadcast in stereo or second audio.*
- *If you select second audio when second audio is not available, the VCR will record normal audio.*

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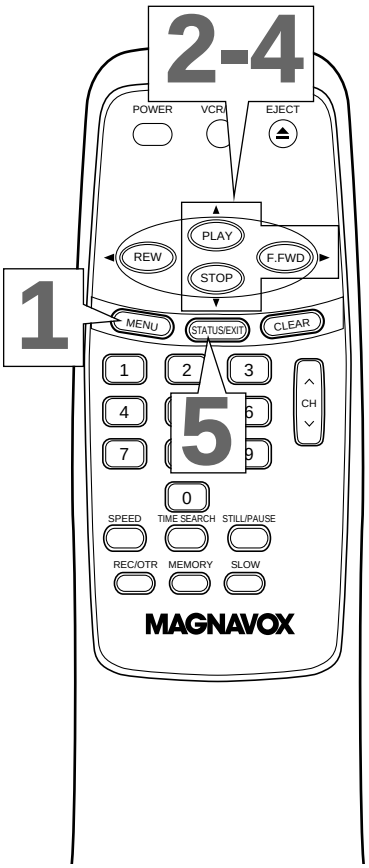
40 Hi-Fi Stereo Sound System (MVR630MG only)

Multi-Channel Television Sound system broadcasts are automatically recorded in Hi-Fi stereo sound. To play in Hi-Fi stereo the tapes recorded in Hi-Fi stereo, however, you'll need to follow steps 1-5.



1 **Press the MENU button.**

```
SELECT ▲▼ CHOOSE ►

→ PROGRAM
  VCR SET UP
  TUNER SET UP
  SET CLOCK

TO END PUSH EXIT
```

2 **Press the PLAY/▲ button or the STOP/▼ button to select VCR SET UP, then press the F.FWD/► button.**

```
SELECT ▲▼ CHOOSE ►

→ REPEAT PLAY          OFF
  ON SCREEN MODE
  AUDIO OUT
  LANGUAGE
  BLUE BACKGROUND      ON

TO END PUSH EXIT
```

3 **Press the PLAY/▲ button or the STOP/▼ button to select AUDIO OUT, then press the F.FWD/► button.**

```
SELECT ▲▼

→ HIFI                 ON
  MONO

TO END PUSH EXIT
```

4 **Press the PLAY/▲ button or the STOP/▼ button to select HIFI.** ON will appear to the right of HIFI on the screen.

```
SELECT ▲▼

→ HIFI                 ON
  MONO

TO END PUSH EXIT
```

5 **Press the STATUS/EXIT button.**

Helpful Hints

- *Normally, HIFI should be selected from the AUDIO OUT menu for playback with Hi-Fi sound. But, you can change the selection to MONO if you want monaural audio playback. To do this, follow steps 1-3. At step 4, press the PLAY/▲ button or the STOP/▼ button to select MONO. Press the STATUS/EXIT button. HIFI will disappear from the status display.*
- *All programs are automatically recorded in both Hi-Fi stereo sound and in monaural sound.*
- *The audio level of a tape recorded in HIFI will differ from the audio level of a tape recorded in MONO.*
- *If you play non-Hi-Fi tapes while the VCR is set to HIFI, the tape will play in monaural sound.*

Please see additional notes on page 43.

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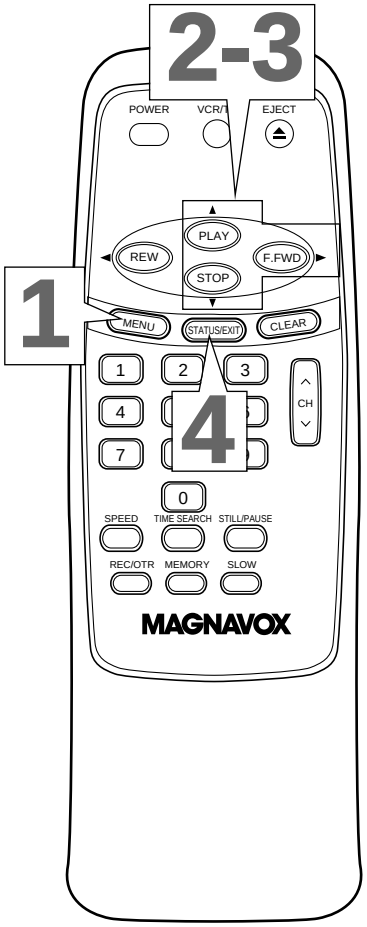
If you want the TV screen to be solid blue when a weak signal is received, set BLUE BACKGROUND to ON. The screen will be blue and the sound will be muted.
Or, if you want to receive the weak signal, set BLUE BACKGROUND to OFF. When you select a channel that is receiving a weak signal, you will see the static in the TV programming. The channel number will not appear on the screen when you select a weak channel, and you can not access the VCR's status display.
To set BLUE BACKGROUND to ON or OFF, follow these steps.



1 **Press the MENU button.**

```
SELECT ▲▼ CHOOSE ►

→ PROGRAM
  VCR SET UP
  TUNER SET UP
  SET CLOCK

TO END PUSH EXIT
```

2 **Press the PLAY/▲ button or the STOP/▼ button to select VCR SET UP, then press the F.FWD/► button.**

```
SELECT ▲▼ CHOOSE ►

→ REPEAT PLAY          OFF
  ON SCREEN MODE
  AUDIO OUT
  LANGUAGE
  BLUE BACKGROUND      ON

TO END PUSH EXIT
```

MVR630MG only

3 **Press the PLAY/▲ button or the STOP/▼ button to select BLUE BACKGROUND. Then, press the F.FWD/► button repeatedly so that OFF (or ON) appears beside BLUE BACKGROUND.**

```
SELECT ▲▼ CHOOSE ►

  REPEAT PLAY          OFF
  ON SCREEN MODE
  AUDIO OUT
  LANGUAGE
→ BLUE BACKGROUND      ON

TO END PUSH EXIT
```

MVR630MG only

4 **Press the STATUS/EXIT button.**

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42 Helpful Hints

If you are having problems with your product, check this list of problems and possible solutions before requesting service. You may be able to solve the problem yourself.
If you need to call a customer service representative, please know the model number and serial number of your product before you call. This information appears on the back of the product. Also, please take a moment to identify the problem you are having, and be prepared to explain this to the representative. If you believe the representative will need to help you with operations, please stay near the product. Our representatives will be happy to assist you.

No power
- Connect the power plug completely to an AC (alternating current) outlet.
- Turn on the power.

Power Failure
- The VCR may lose timer recordings, the clock and channel settings, and the language selection if the power fails. Follow the steps on pages 11 and 15 to reset the language, channels, and clock. Then, see pages 28-30 to reprogram your timer recordings.

The VCR will not record a TV program.
- Check the connections between the VCR, TV, antenna/cable, and Cable Box/Direct Broadcast System (if applicable). *Details are on pages 6-10.*
- Make sure the tape has a record tab. *Details are on page 5.*
- Check the TV/VCR position. *Details are on page 22.*
- Check the CH3/CH4 switch. *Details are on pages 6-9.*

The VCR will not perform a timer recording.
- Make sure you set the recording start and stop times correctly. *Details are on pages 28-31.*
- Make sure a tape is in the VCR and the tape has a record tab (page 5). If, after programming a timer recording, you turn off the VCR power without putting a tape in the VCR, the Timer light will blink.
- If the record tab on a tape is missing, the VCR will eject the tape. The Timer light will blink.
- Make sure the VCR power is off.
- Make sure you have set the clock correctly. *Details are on page 15.*
- The VCR may not perform or continue a timer recording if the power fails.
- If you have a Cable Box/Direct Broadcast System, you will program timer recordings differently. *Details are on page 8.*
- Finish programming a timer recording at least five minutes before the recording should begin.
- 12 p.m. is noon; 12 a.m. is midnight.

There is no playback picture or the playback picture is noisy or contains streaks.
- Make sure the TV is on the same channel as the VCR's CH3/CH4 switch.
- Make sure the VCR is in VCR position. (The VCR/TV light will appear on the display panel.)
- Adjust channel 03 or 04 at the TV.
- Adjust the tracking. *Details are on page 37.*
- TVs that are too close to the VCR can cause interference during tape playback. Move the VCR away from the TV.

The remote control will not operate the VCR.
- Make sure the VCR/TV light appears on the display panel. If it does not, press the VCR/TV button once.
- Aim the remote control directly at the VCR's remote sensor. *Details are on page 22.*
- Remove all obstacles between the remote control and the VCR.
- Inspect and/or replace the batteries in the remote control. *Details are on page 5.*

The Number buttons won't work for channels above 69.
- Enter channel numbers as a two-digit number. If you want to select channels 100 and above, enter channel numbers as a three-digit number. If you are using an antenna (not a cable signal), you may only select channels 2-69. *Details are on page 18.*

You cannot watch TV programs normally.
- Put the VCR in TV position, then change channels at the TV. (Press the VCR/TV button so that the VCR/TV light disappears from the display panel. *Details are on page* 22.)
- Check the connections between the VCR, TV, antenna/cable, and Cable Box/Direct Broadcast System (if applicable). *Details are on pages 6-10.*

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You can not insert a tape.
- Insert the tape, window side up, with the record tab facing you.
- Make sure a tape isn't already in the VCR by pressing the Stop/Eject ■/⏏ button on the VCR.
- Gently push on the center of the tape when putting it in the VCR. Never force the tape into the VCR.
- If you have programmed a timer recording and the VCR power is off, you can not insert a tape without a record tab.

You can not remove a tape.
- Connect the power plug to a power outlet.
- You have set a timer recording. Turn on the VCR power, then eject the tape. Be sure to insert a tape and turn off the power for your timer recording.

VCR ejects the tape when you press the REC(ord)/OTR button or when you turn off the VCR power for a timer recording.
- Make sure the tape has a record tab. *Details are on page 5.*

Poor reception
- You may need to tune your TV again.

The motor (cylinder) rotates even when the VCR is in Stop mode.
- To enable the quick play mechanism, the cylinder will rotate for about five minutes. This is normal. The quick play mechanism allows the tape mechanism to switch from Stop mode to Play mode in one second.

Direct Broadcast System Hookups
- Watching one TV channel while recording another may not be possible if you have a DBS hookup. You may have to set your TV to channel 03 or 04, then make your channel selections at the DBS.
- If you use audio and video cables to connect your DBS, VCR, and TV, you may have to put your VCR in Line Input mode (channel 001 or 002).

Line Input mode
- If you accidentally enter Line Input mode (AV FRONT or AV REAR will appear on your TV screen briefly), press the CH(annel) ▲/▼ button or use the Number buttons to select another channel.

Hi-Fi Stereo Sound (MVR630MG only)
- During playback, Hi-Fi audio may temporarily revert to normal audio when you adjust tracking. This is normal.
- When connecting the VCR to a stereo TV, you will only get stereo sound if you use audio cables to connect the AUDIO OUT jacks on the VCR to the AUDIO IN jacks on your TV, and if the TV is in Line (Auxiliary) Input mode. *See page 10 for details.*
- When you connect the AUDIO OUT jacks on the VCR to the AUDIO IN jacks on your TV, the stereo light on the TV might not glow. But, as long as the VCR status display indicates you are receiving a stereo signal, you are receiving a stereo signal. This is normal.
- Only tapes recorded in Hi-Fi audio will play in Hi-Fi audio. Tapes recorded in normal audio will play in monaural audio.

Cleaning the Video Heads
- Your VCR automatically cleans the video heads each time you insert a tape. However, the heads may become dirty. If so, use a commercially-available head cleaner or have an authorized servicer clean the video heads. Eventually, you may need to replace the heads.

The playback picture is too dim, too bright, or fluctuates in brightness.
- Some programs may be broadcast with copyright protection technology in order to protect the rights of copyright owners. This technology is used on programs that are recorded on video tapes or Digital Video Discs (DVDs), as well as some programs broadcast by antenna/cable/satellite television channels. Programs broadcast with copyright protection technology may not record clearly. Likewise, if you play a tape that is a recording of a copyright protected program, the picture may not be clear. Tapes of copyright protected programs may have a picture that is dark or dim, or the brightness of the picture may fluctuate. Therefore, you should avoid recording or playing copies of copyright protected programs. This VCR incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation and is intended for home and other limited viewing uses only, unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

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44 Limited Warranty

VIDEO CASSETTE RECORDER or PLAYER

90 days Free Exchange / 91 days–One Year Reduced-Cost Exchange

WHO IS COVERED?

You must have proof of the date of purchase to exchange your product. A sales receipt or other document showing the date that you purchased the product is considered such proof.

WHAT IS COVERED?

Warranty coverage begins the day you buy your product. *For 90 days thereafter,* you may exchange the defective product for a new or renewed product at the store from which it was purchased or through Magnavox. Either exchange is made at no cost to you.*

From 91 days to one year from the date of purchase, you must follow the exchange procedures set out on the next page. For an exchange during this warranty period you must pay $29.95 (plus your local sales tax) for a new or renewed product. This reduced-cost exchange ends one year after the date of purchase.

The replacement product is covered only for the warranty period of the original product. When the warranty on the original product expires, the warranty on all replaced products also expires.

WHAT IS EXCLUDED?

Your warranty does not cover:

- shipping charges to return defective product.
- labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
- product repair and/or part replacement because of improper installation, abuse, neglect, misuse, accident, unauthorized repair or other cause not within the control of Magnavox.
- reception problems caused by signal conditions or cable or antenna systems outside the product.
- a product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- incidental or consequential damages resulting from the product. (Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This includes, but is not limited to, prerecorded material, whether copyrighted or not copyrighted.)
- damage caused by the use of non-VHS tapes or tapes that have not been tested and labeled for use in two, four, six, and eight hour VHS recorders.
- a product that is used for commercial or institutional purposes (including but not limited to rental purposes).

WHERE IS EXCHANGE AVAILABLE?

Warranty exchange is available in all countries where the product is officially distributed by Magnavox. In countries where Magnavox does not distribute the product, the local Magnavox service organization will attempt to exchange the product, although there may be a delay if the appropriate product is not readily available.

MAKE SURE YOU KEEP...

Please keep your sales receipt or other document showing proof of date of purchase. Attach it to the owner's manual and keep both nearby. Also keep the original box and packing material in case you need to return your product.

BEFORE EXCHANGING THE PRODUCT...

Please check your owner's manual before exchanging the product. Adjustments of the controls discussed there may save you time and money.

LIMITATION OF LIABILITY AND REMEDY...

MAGNAVOX IS NOT LIABLE UNDER ANY CIRCUMSTANCES FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, HOWSOEVER INCURRED, EVEN IF NOTIFIED OF THE POSSIBILITY OF SUCH DAMAGES.

TO THE EXTENT PERMITTED BY LOCAL LAW, THE REMEDIES PROVIDED IN THIS WARRANTY STATEMENT ARE YOUR SOLE AND EXCLUSIVE REMEDY. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE/PROVINCE TO STATE/PROVINCE.

TO EXCHANGE YOUR PRODUCT IN THE U.S.A., PUERTO RICO, OR U.S. VIRGIN ISLANDS...

FOLLOW THE INSTRUCTIONS STATED PREVIOUSLY IN THE "WHAT IS COVERED" SECTION, OR REFER TO THE EXCHANGE INSTRUCTIONS ON THE NEXT PAGE.

IN THE U.S.A., PUERTO RICO, AND U.S. VIRGIN ISLANDS, ALL IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE SPECIFICALLY DISCLAIMED, AND TO THE EXTENT INCONSISTENT WITH LAW OF THE LOCALITY OF THE USER, LIMITED IN DURATION TO THE DURATION OF THIS EXPRESS WARRANTY. BECAUSE SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY MAY LAST, THIS LIMITATION MAY NOT APPLY TO YOU.

TO EXCHANGE A PRODUCT IN CANADA...

Please contact Magnavox at:

1-800-661-6162 (French Speaking)
1-800-363-7278 (English Speaking)

In Canada, this warranty is given in lieu of all other warranties. There are no other warranties, express or implied, including any implied warranties of merchantability or fitness for a particular purpose.

REMEMBER...

Please record below the model and serial numbers found on the product. Also, please fill out and mail your warranty registration card promptly. It will be easier for us to notify you if necessary.

MODEL #_____

SERIAL #_____

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EXCHANGE INSTRUCTIONS

If your product is defective, you may be able to exchange it at the store from which it was purchased. Most stores display a Return Policy. If not, ask the manager or sales associate how many days you have to exchange a product with them. After the store's return period has expired, or if the store does not have an exchange program, you may exchange the product with Magnavox if you have your original sales receipt.

To exchange your product with Magnavox (per the warranty conditions stated previously), remember:

- If you exchange the product within 90 days of the original purchase, there is no cost to you.*
- If you exchange the product more than 90 days after but less than one year after the day of original purchase, your cost will be $29.95 plus your local sales tax. If sales tax is missing or incorrect, your order will be delayed, and you will be contacted.
- After 12 months from the day of original purchase, contact Magnavox at 1-800-705-2000 for information regarding out-of-warranty exchange.
- If you do not have your original sales receipt, or if you have any questions, call Magnavox at 1-800-705-2000.

To obtain a replacement product from Magnavox:

1. Complete the Exchange Form below.
2. Pack the product and its accessories (remote control, RF coaxial cable, owner's manual, and car battery cord, if applicable) in the original box or a suitable alternative. You will receive replacement accessories with your replacement product. For packing details, call 1-800-705-2000.
3. Put the completed Exchange Form, a copy of the original sales receipt, and the proper payment amount into an envelope. DO NOT SEND CASH. Do not staple or clip these items together. Label the envelope "Return Documents Enclosed." Place this envelope in the box with the product.
4. Seal the box with packing tape and return the product via United Parcel Service (UPS), insured and freight prepaid, to:

   Recovery Center
   Rojas 6
   12420 Mercantile Avenue
   El Paso, TX 79928
   ATTENTION: VCR EXCHANGE

A replacement will be sent to you via UPS within 48 business hours of Magnavox' receipt of the product.

**When it is necessary for you to ship the product to Magnavox for exchange, you will pay the shipping costs for shipment to Magnavox. Magnavox will pay the shipping costs when returning a product to you.*

EXCHANGE FORM

Your Address (street address to which replacement should be delivered, no P.O. boxes allowed):

Name:

Street Address: Apt. #:

City: State/Province: Zip Code/Postal Code:

Phone (day): Phone (night):

Payment Amount: $29.95 + Sales Tax _____ = Total _____

Method of Payment: (Check one. Please, no cash or CODs.)

_____ Check/Money order Check/Money order number _____

		Account number	Expiration date
_____	American Express	_____	_____
_____	Visa	_____	_____
_____	Novus/Discover	_____	_____
_____	Mastercard	_____	_____

Signature: _____

Detailed reason for return, use additional paper if necessary: _____

_____

Model Number _____ Serial Number _____

Remember, the return box should include the following:

- **The product,**
- **Completed Exchange Form and sales receipt,**
- **Accessories supplied with the product, and**
- **Payment, if applicable.**

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Glossary

AUDIO IN/OUT Jacks: jacks on the front and back of the VCR that record audio from another source (IN) or send audio to another system (OUT).
The MVR430MG has a single AUDIO IN jack on the front and back of the VCR. It has a single AUDIO OUT jack on the back of the VCR. The MVR630MG has Right and Left AUDIO IN jacks on the front and back of the VCR. It has Right and Left AUDIO OUT jacks on the back of the VCR.

Automatic Channel Setup: process in which the VCR memorizes all available channels. Then, when you press the CH(annel) ▲/▼ button, you only scan through channels you receive.

Bands: settings that allow you to tune channels.
- **Antenna** – VHF (very high frequency; channels 2-13) and UHF (ultra high frequency; channels 14-69).
- **Cable** – all standard channels can be received without a Cable Box (channels 1-125).

Cable Box/DBS Output Channel: 03 or 04.

Dubbing: copying a tape using a second VCR.

Frame: a still picture.

HQ: high quality; a feature in the VCR circuitry that provides enhanced picture detail.

Line Input: The channel to which you set your VCR during dubbing. If you use the AUDIO and VIDEO In jacks on the front of the VCR, select channel 002 (AV FRONT). If you use the AUDIO and VIDEO IN jacks on the back of the VCR, select 001 (AV REAR). If you accidentally enter Line Input mode, press the CH(annel) ▲/▼ button or use the Number buttons to select another channel.

OTR: One-Touch Recording; a timed recording that starts immediately and records for 30 minutes to eight hours.

Remote Control: the small electronic unit that came with your VCR; allows you to operate your VCR from a distance.

RF coaxial cable: The black cable supplied with your VCR. Use it to connect your VCR to your TV (or Cable Box or DBS). The supplied cable is a snap-on type. However, you may use a screw-on type if you prefer.

Special Effects: forward and reverse searching; a still picture; slow motion playback.

Tape Speeds: how fast the tape travels during a recording or playback.
- **SP** (standard play) – fastest tape speed (recording time for a T120 tape is approximately two hours); best picture quality.
- **LP** (long play) – average tape speed; playback only.
- **SLP** (super long play) – slowest tape speed (recording time for a T120 tape is approximately six hours).

VCR: video cassette recorder.

VIDEO IN/OUT Jacks: jacks on the front and back of the VCR that record video from another source (IN) or send video to another system (OUT).

Specifications

Video Heads
Four heads - Hi-Fi (MVR630MG)
Four heads (MVR430MG)

Video Signal
EIA standards; NTSC color

Antenna
VHF/UHF – 75 ohm external antenna terminal

VHF Output Signal
Channel 03 or 04 (switchable)
75 ohms unbalanced

Power Requirement
120V AC; 60Hz

Power Consumption
14W

Operating Temperature
41°F (5°C) to 104°F (40°C)

Relative Humidity
10% to 80%

Weight
4.4 lbs. (2.0 kg.)

Dimensions
14-3/16" (W) x 3-5/8" (H) x 8-1/2" (D)
(360mm x 92mm x 215.5mm)

Tuner Broadcast Channels
VHF 2-13, UHF 14-69

Cable TV Channels
1-125

NOTE: Designs and specifications are subject to change without notice.

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ac power cord....23
accessories....48
ant(enna) in jack....6-10, 23
audio in/out jacks
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automatic
playback....37
rewind, eject, off....37

batteries....5
blue background....41

cassette compartment....21
ch3/ch4 switch....6-9, 23
channel
adding....13
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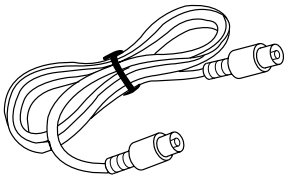
SUPPLIED ACCESSORIES

The following items, supplied with your VCR, are provided to help you use or set up your VCR.

Remote Control 4835 218 37333
Two AA Batteries 4835 138 17012



RF Coaxial Cable, 75 ohm
4835 323 27011

This owner's manual is made of recyclable materials.
Remember to recycle!

As an ENERGY STAR® Partner, Philips Consumer Electronics has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.
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